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BULLETIN

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The National Quarantine Law.

In view of the threatened invasion of cholera during the coming summer the steps taken by the General Government to keep it out are of interest, and we append the law passed by the last Congress.

An Act granting additional quarantine powers and imposing additional duties upon the Marine Hospital Service.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That it shall be unlawful for any merchant ship or other vessel from any foreign port or place to enter any port of the United States except in accordance with the provisions of this act and with such rules and regulations of State and municipal health authorities as may be made in pursuance of, or consistent with, this act; and any such vessel which shall enter, or attempt to enter, a port of the United States in violation thereof, shall forfeit to the United States a sum, to be awarded in the discretion of the court, not exceeding five thousand dollars, which shall be a lien upon said vessel, to be recovered by proceedings in the proper district court of the United States. In all such proceedings the United States District Attorney for such district shall appear on behalf of the United States: and all such proceedings shall be conducted in accordance with the rules and laws governing cases of seizure of vessels for violation of the revenue laws of the United States.

Sec. 2. That any vessel at any foreign port clearing for any port or place in the United States shall be required to obtain from the consul, vice-consul or other consular officer of the United States at the port of departure, or from the medical officer where such officer has been detailed by the President for that purpose, a bill of health, in duplicate, in the form prescribed by the Secretary of the Treasury, setting forth the sanitary history and condition of said vessel, and that it has in all respects complied with the rules and regulations in such cases prescribed for securing the best sanitary conditions of the said vessel, its cargo, passengers and crew; and said consular or medical officer is required, before granting such duplicate bill of health, to be satisfied that the matters and things

therein stated are true; and for his services in that behalf he shall be entitled to demand and receive such fees as shall by lawful regulation be allowed, to be accounted for as is required in other cases.

The President, in his discretion, is authorized to detail any medical officer of the Government to serve in the office of the consul at any foreign port for the purpose of furnishing information and making the inspection and giving the bills of health hereinbefore mentioned. Any vessel clearing and sailing from any such port without such bill of health, and entering any port of the United States, shall forfeit to the United States not more than five thousand dollars, the amount to be determined by the court, which shall be a lien on the same, to be recovered by proceedings in the proper district court of the United States. In all such proceedings the United States District Attorney for such district shall appear on behalf of the United States; and all such proceedings shall be conducted in accordance with the rules and laws governing cases of seizure of vessels for violation of the revenue laws of the United States.

SEC. 3. That the Supervising Surgeon General of the Marine Hospital Service shall, immediately after this act takes effect, examine the quarantine regulations of all State and municipal boards of health, and shall, under the direction of the Secretary of the Treasury, co-operate with and aid State and municipal boards of health in the execution and enforcement of the rules and regulations of such boards, and in the execution and enforcement of the rules and regulations made by the Secretary of the Treasury to prevent the introduction of contagious or infectious diseases into the United States from foreign countries, and into one State or Territory or the District of Columbia from another State or Territory or the District of Columbia; and all rules and regulations made by the Secretary of the Treasury shall operate uniformly and in no manner discriminate against any port or place; and at such ports and places within the United States as have no quarantine regulations under State or municipal authority, where such regulations are, in the opinion of the Secretary of the Treasury, necessary to prevent the introduction of contagious or infectious diseases into the United States from foreign countries, or into one State or Territory or the District of Columbia from another State or Territory or the District of Columbia, and at such ports and places within the United States where quarantine regulations exist under the authority of the State or municipality which, in the opinion of the Secretary of the Treasury, are not sufficient to prevent the introduction of such diseases into the United States or into one State or Territory or the District of Columbia from another State or Territory or the District of Columbia, the Secretary of the Treasury shall, if in his judgment it is necessary and proper, make such additional rules and regulations as are necessary to prevent the introduction of such diseases into the United States from foreign countries or into one State or Territory or the District of Columbia from another State or Territory or the District of Columbia, and when said rules and regulations have been made they shall be promulgated by the Secretary of the Treasury and enforced by the sanitary authorities of the States and municipalities, where the State or municipal health authorities will undertake to execute and enforce them; but if the State or municipal authorities shall fail or refuse to enforce said rules and regulations, the President shall execute and enforce the same and adopt such measures as in his judgment shall be necessary to prevent the introduction or spread of such diseases, and may detail or appoint officers for that purpose.

The Secretary of the Treasury shall make such rules and regulations as are necessary to be observed by vessels at the port of

departure and on the voyage, where such vessels sail from any foreign port or place to any port or place in the United States, to secure the best sanitary condition of such vessel, her cargo, passengers and crew, which shall be published and communicated to and enforced by the consular officers of the United States. None of the penalties herein imposed shall attach to any vessel, or owner or officer thereof, until a copy of this act, with the rules and regulations made in pursuance thereof, has been posted up in the office of the consul, or other consular officer of the United States, for ten days, in the port from which said vessel sailed, and the certificate of such consul or consular officer, over his official signature, shall be competent evidence of such posting in any court of the United States.

SEC. 4. That it shall be the duty of the Supervising Surgeon General of the Marine Hospital Service, under the direction of the Secretary of the Treasury, to perform all duties in respect to quarantine and quarantine regulations which are provided for by this act, and to obtain information of the sanitary condition of foreign ports and places from which contagious and infectious diseases are or may be imported into the United States, and to this end the consular officer of the United States at such ports and places as shall be designated by the Secretary of the Treasury shall make to the Secretary of the Treasury weekly reports of the sanitary condition of the ports and places at which they are respectively stationed, according to such forms as the Secretary of the Treasury shall prescribe, and the Secretary of the Treasury shall also obtain, through all sources accessible, including State and municipal sanitary authorities throughout the United States, weekly reports of the sanitary condition of ports and places within the United States, and shall prepare, publish and transmit to collectors of customs and to State and municipal health officers, and other sanitarians, weekly abstracts of the consular sanitary reports, and other pertinent information received by him, and shall also, as far as he may be able, by means of the voluntary co-operation of State and municipal authorities, of public associations and private persons, procure information relating to the climatic and other conditions affecting the public health, and shall make an annual report of his operations to Congress, with such recommendations as he may deem important to the public interests.

SEC. 5. That the Secretary of the Treasury shall from time to time issue to the consular officers of the United States and to the medical officers serving at any foreign port, and otherwise make publicly known, the rules and regulations made by him, to be used and complied with by vessels in foreign ports, for securing the best sanitary condition of such vessels, their cargoes, passengers and crew, before their departure for any port in the United States, and in the course of the voyage; and all such other rules and regulations as shall be observed in the inspection of the same on the arrival thereof at any quarantine station at the port of destination, and for the disinfection and isolation of the same, and the treatment of cargo and persons on board, so as to prevent the introduction of cholera, yellow fever or other contagious or infectious diseases; and it shall not be lawful for any vessel to enter said port to discharge its cargo or land its passengers, except upon a certificate of the health officer at such quarantine station certifying that said rules and regulations have in all respects been observed and complied with, as well on his part as on the part of the said vessel and its master, in respect to the same and to its cargo, passengers and crew; and the master of every such vessel shall produce and deliver to the collector of customs at said port of entry, together with the other papers of the vessel, the said bills of health required to be obtained at the port of departure and the certificate herein

required to be obtained from the health officer at the port of entry; and that the bills of health herein described shall be considered as part of the ship's papers, and when duly certified to by the proper consular or other officer of the United States over his official signature and seal, shall be accepted as evidence of the statements therein contained in any court of the United States.

SEC. 6. That on the arrival of an infected vessel at any port not provided with proper facilities for treatment of the same, the Secretary of the Treasury may remand said vessel, at its own expense, to the nearest national or other quarantine station, where accommodations and appliances are provided for the necessary disinfection and treatment of the vessel, passengers and cargo; and after treatment of any infected vessel at a national quarantine station, and after certificate shall have been given by the United States quarantine officer at said station that the vessel, cargo and passengers are each and all free from infectious disease, or danger of conveying the same, said vessel shall be admitted to entry to any port of the United States named within the certificate. But at any ports where sufficient quarantine provision has been made by State or local authorities the Secretary of the Treasury may direct vessels bound for said ports to undergo quarantine at said State or local station.

SEC. 7. That whenever it shall be shown to the satisfaction of the President that by reason of the existence of cholera or other infectious or contagious diseases in a foreign country there is serious danger of the introduction of the same into the United States, and that notwithstanding the quarantine defense, this danger is so increased by the introduction of persons or property from such country that a suspension of the right to introduce the same is demanded in the interest of the public health, the President shall have power to prohibit, in whole or in part, the introduction of persons and property from such countries or places as he shall designate and for such period of time as he may deem necessary.

SEC. 8. That whenever the proper authorities of a State shall surrender to the United States the use of the buildings and disinfecting apparatus at a State quarantine station, the Secretary of the Treasury shall be authorized to receive them and to pay a reasonable compensation to the State for their use, if, in his opinion, they are necessary to the United States.

SEC. 9. That the act entitled "An act to prevent the introduction of infectious or contagious diseases into the United States, and to establish a national board of health," approved March third, eighteen hundred and seventy-nine, be, and the same is hereby, repealed. And the Secretary of the Treasury is directed to obtain possession of any property, furniture, books, papers or records belonging to the United States which are not in the possession of an officer of the United States under the Treasury Department which were formerly in the use of the National Board of Health or any officer or employee thereof.

Summary of Reports from County Superintendents for March, 1893.

ALAMANCE—Dr. George W. Long, Graham. One case of typhoid fever. Pneumonia, whooping-cough and catarrhal troubles have prevailed.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Health of county good; no epidemic; cholera among fowls; the sanitary condition of the public buildings is good.

ALLEGHANY—No Board of Health.

ANSON—Dr. E. S. Ashe, Wadesboro. No report.

BEAUFORT—Dr. S. T. Nicholson, Washington. No report.

BERTIE—No Board of Health.

BLADEN—Dr. N. Robinson, Elizabethtown. No report.

BRUNSWICK—No Board of Health.

BUNCOMBE—Dr. Charles E. Hilliard, Asheville. No special disease has prevailed. The sanitary condition of the public buildings is good.

BURKE—Dr. R. L. Laxton, Morganton. A few cases of pneumonia and a number of cases of mumps reported; cholera among chickens. The sanitary condition of the public buildings is about as at last report; they are as well kept as the buildings will allow.

CABARRUS—No Board of Health.

CALDWELL—Dr. A. A. Kent, Lenoir. La grippe and catarrhal troubles have prevailed in all parts of the county; some pneumonia, a large number of cases of tonsillitis, five of roseola and a little mumps. The prisoners in jail are much crowded, but no effort is being made to enlarge the capacity.

CAMDEN—No Board of Health.

CARTERET—Dr. M. F. Arendell, Morehead City. Some whooping-cough; nothing else. The public buildings are in fair sanitary condition, and safe.

CASWELL—Dr. R. H. Williamson, Yanceyville. No report.

CATAWBA—Dr. George H. West, Newton. Influenza has prevailed in parts of the county. The public buildings are in good sanitary condition.

CHATHAM—Dr. W. E. Headen, Pittsboro. Very little sickness; no epidemic. The public buildings are in good sanitary condition.

CHEROKEE—Dr. J. F. Abernathy, Murphy. Remittent fever has lingered in some sections of the county the entire winter, despite the unparalleled severity of the weather, and it has not abated yet entirely. Fish ponds and dams across rivers and creeks collect numerous deposits of vegetable and animal matter, which conduce largely to the insalubrity of our air and water supply. The public buildings are in good sanitary condition.

CHOWAN—No Board of Health.

CLAY—No Board of Health.

CLEVELAND—Dr. O. P. Gardner, Shelby. No disease to report. No systems of drainage in the county but natural conditions, therefore good; Shelby has a very good system of drainage. The county is progressive in its efforts at improvement of the public buildings.

COLUMBUS—Dr. Isaac Jackson, Whiteville. Pertussis has prevailed in some sections of the county; one case of typhoid. The sanitary condition of the public buildings is good.

CRAVEN—Dr. Leinster Duffy, Newbern. Measles, whooping-cough, and respiratory diseases generally, have been more or less prevalent. The sanitary condition of our city is being very much improved. The Lewis Mercer Construction Company have put down one of the most approved sewerage systems, and have now begun work on our water-works. Other efforts at improvements are being made. The Wilmington, Onslow & Newbern Railroad Company are now grading in the city, and are doing most excellent work, giving free drainage to certain localities that have, at times, doubtless acted as contributing causes of disease. The public buildings are kept in a cleanly condition.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. Nothing said as to diseases. The public buildings are in good sanitary condition. The court-house is unsafe; should a fire occur the records would be destroyed; we are to have a new one soon.

CURRITUCK—No Board of Health.

DARE—No Board of Health.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. No reports of diseases; no epidemic. The sanitary condition of the public buildings is good.

DUPLIN—Dr. James W. Blount, Kenansville. Very little sickness; a few cases of catarrhal affections. The sanitary condition of the public buildings is good. There has been considerable improvement in the year, and the authorities are taking more interest in such matters.

DURHAM—Dr. N. M. Johnson, Durham. Measles and whooping-cough have prevailed in some parts of the county. The public buildings seem to be in excellent sanitary condition.

EDGECOMBE—Dr. Donald Williams, Tarboro. March has been a cold, wet month, and pneumonia and bronchitis have prevailed; measles have reappeared in the upper part of the county; two cases of scarlet fever reported. The sanitary condition of the public buildings is very good.

FORSYTH—Dr. D. N. Dalton, Winston. A few cases of whooping-cough and typhoid fever. The sanitary condition of the public buildings is good.

FRANKLIN—Dr. E. S. Foster, Louisburg. Measles and pneumonia of mild type have prevailed. The sanitary condition of the public buildings is good.

GASTON—Dr. J. H. Jenkins, Dallas. No report.

GATES—No Board of Health.

GRAHAM—No Board of Health.

GRANVILLE—Dr. Patrick Booth, Oxford. Whooping-cough has prevailed to a limited extent. The sanitary condition of the county fair among the whites, but poor among the blacks; they need education on draining and other sanitary points. The condition of the public buildings is fair.

GREENE—Dr. E. H. Sugg, Snow Hill. No report.

GUILFORD—Dr. A. R. Wilson, Greensboro. No epidemics have prevailed. The County Home is undergoing repairs and being whitewashed and thoroughly scoured. The sanitary condition of the jail is not good.

HALIFAX—Dr. I. E. Green, Weldon. Very little sickness of any kind.

HARNETT—No Board of Health.

HAYWOOD—Dr. J. Howell Way, Waynesville. Three cases of erysipelas; measles (of very mild form) and chicken-pox, both to a considerable extent, have prevailed. The sanitary condition of the jail is abominable—an old out-of-date building, in a prominent place on the most important street in the county town. Public sentiment demands its removal and the erection of a modern building on sanitary principles, but the officials as yet have not felt inclined to move in the matter.

HENDERSON—Dr. J. L. Egerton, Hendersonville. No diseases reported.

HERTFORD—No Board of Health.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill, Statesville. Whooping-cough reported; chicken-pox, tonsillitis and migraine have prevailed. The public buildings are well kept.

JOHNSTON—Dr. R. J. Noble, Smithfield. The health of the people as near perfect as it is possible to be. The jail and Home have been repainted and whitewashed. Everything connected with them is now as nice and clean as possible; we will keep them in good condition.

JONES—No Board of Health.

LENOIR—Dr. C. B. Woodley, Kinston. No diseases reported.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Colds and pneumonia have prevailed in all parts of the county; very little sickness. The public buildings are well kept.

MACON—Dr. S. H. Lyle, Franklin. No report.

MADISON—No Board of Health.

MARTIN—Dr. W. H. Harrell, Williamston. Mild catarrhal affections of the air passages have prevailed in all parts of the county. The sanitary condition of the county is in a better condition than I have ever known it. The Home is in good condition; the jail is not so good, but will be as soon as the weather permits a general cleansing and fumigation.

MCDOWELL—Dr. B. F. Cheek, Marion. Catarrhal troubles have prevailed. The public buildings are kept as clean as could be expected.

MECKLENBURG—Dr. Hilary M. Wilder. There have occurred a few sporadic cases of diphtheria and scarlet fever in and around Charlotte during the month. The sanitary

condition of the Home is good, and the inmates are well cared for; the convicts on the chain-gang are fairly well cared for. The sanitary condition of the camp is fair (not the best). However, there has been very little sickness among the convicts. I have recommended a new tent for their better protection from inclement weather. The prisoners in jail are well fed and humanely looked after; the sanitary condition of the building is very fair, taking into consideration its architecture; the Commissioners have taken steps to improve it, and put in iron cells in accordance with former suggestions by the State Board of Health.

Mitchell—Dr. C. E. Smith, Bakersville. No report.

Montgomery—No report.

Moore—Dr. Gilbert McLeod, Carthage. A few cases of influenza have prevailed. There has been a mild epidemic of distemper among horses; there are no special unsanitary conditions in the county; we are free from malaria. Our water-courses are usually, the year round, filled with clear running water, and if our citizens would pay more attention to cleanliness on their premises, there would be little to cause sickness. The jail is kept clean and whitewashed on the inside. The Home is in as good condition as the buildings will permit of.

Nash—Dr. J. J. Mann, Nashville. German measles is prevailing. The sanitary condition of the public buildings is good.

New Hanover—Dr. F. W. Potter, Wilmington. Twenty-two cases of measles, one of whooping-cough, one of scarlet fever and one of typhoid fever; a few cases of la grippe in city and county. The jail has had its (cemented) floors repaired. The other public buildings are also much improved.

Northampton—Dr. H. W. Lewis, Jackson. A few cases of pneumonia, many of influenza and one of diphtheria. The sanitary condition of the jail is good, that of the Home only fairly good; trying to improve it.

Onslow—Dr. E. L. Cox, Jacksonville. No report.

Orange—Dr. D. C. Parris, Hillsboro. Several cases of measles and whooping-cough; catarrhal fever has prevailed in all parts of the county. The sanitary condition of the public buildings is good, except the jail. That needs better ventilation and different mode of disposal of human excrement. A new residence for the superintendent is being erected at the Home.

Pamlico—No Board of Health.

Pasquotank—No Board of Health.

Pender—Dr. W. C. Murphy, Burgaw. Eleven cases of whooping-cough and one of diphtheria; pneumonia has prevailed. The sanitary condition of the public buildings is improved owing to threatened indictment of the County Commissioners.

Perquimans—No Board of Health.

Person—No Board of Health.

Pitt—Dr. B. T. Cox, Redallia. Pneumonia and la grippe have prevailed in all parts of the county; an occasional case of intermittent fever; a few cases of distemper among horses.

Polk—No Board of Health.

Randolph—Dr. J. M. Boyette, Ashboro. Three cases of whooping-cough and five of typhoid fever; influenza, dysentery and pneumonia have prevailed to some extent. The public buildings are in excellent sanitary condition. The condition of the jail and premises is, I frankly assert, second to none in the State.

Richmond—Dr. J. M. Stansill, Rockingham. Very little sickness of any kind; two cases of pneumonia reported. The sanitary condition of the public buildings is good except the Home.

Robeson—Dr. R. F. Lewis, Lumberton. Little sickness; some whooping-cough; an epidemic of hog cholera. The court-house and jail are in good sanitary condition.

A new Home is to be built during the summer months.

ROCKINGHAM—No Board of Health.

ROWAN—Dr. J. J. Summerell, Salisbury. Some whooping-cough and pneumonia reported. The county is exempt for the most part from unsanitary conditions of any active character, but it is apparent to any observer that the sanitary conditions could be vastly improved by drainage and cleanliness and the observance of the laws of health by the people. The public buildings are in good condition. The fence has been delayed until the meeting of the Commissioners on the third. I hope they will see their way clear to surround our court-house at least with a suitable iron fence, which was contemplated by the building committee thirty-five years ago when the house was first erected.

RUTHERFORD—Dr. W. A. Thompson, Cliffdale. No report.

SAMPSON—Dr. J. A. Stevens, Clinton. A great many cases of pneumonia, some of pleurisy, tonsillitis and varicella; an epidemic of hog cholera and many cases of distemper among horses; two or three rabid dogs heard of.

STANLY—Dr. A. C. Bayles, New London. No report.

STOKES—Dr. J. W. Neal, Meadows. Two cases of diphtheria. The sanitary condition of the public buildings is good. The new building at the County Home is completed.

SURRY—No Board of Health.

SWAIN—Dr. R. L. Davis, Bryson City. One case of typhoid fever, one of pneumonia and a few of la grippe. The sanitary condition of the public buildings is not good and no steps are being taken to improve them.

TRANSYLVANIA—No Board of Health.

TYRRELL—Dr. Ab. Alexander, Columbia. No sickness to report. The sanitary condition of the public buildings is good.

UNION—Dr. J. H. Blair, Monroe. A few cases of typhoid fever in the south-eastern section of the county. The new jail is just completed and was occupied April 3d.

VANCE—Dr. W. T. Cheatham, Henderson. One case of typhoid fever; varicella has prevailed in some parts of the county. The physicians of town and county make no reports. The sanitary condition of all the public buildings is excellent.

WAKE—Dr. James McKee, Raleigh. Six cases of scarlet fever. The public buildings are in good sanitary condition.

WARREN—Dr. P. J. Macon, Warrenton. No report.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. La grippe has prevailed in all parts of the county; no deaths. The public buildings are in good condition, the inmates well and properly cared for.

WAYNE—Dr. John Spicer, Goldsboro. Pneumonia seems to be the most common disease at present. The public buildings are in good condition.

WILKES—No Board of Health.

WILSON—Dr. Albert Anderson, Wilson. Pneumonia, bronchitis and mumps have been reported in different sections of the county. The sanitary condition of the public buildings is good.

Review of Diseases for March, 1893.

BRONCHITIS—From Edgecombe and Wilson.

CATARRHAL DISEASES—From Alamance, Caldwell, Craven, Duplin, Lincoln, McDowell, Martin and Orange.

CHOLERA, IN CHICKENS—From Alexander, Burke, Haywood and Iredell.

CHOLERA, IN HOGS—From Robeson and Sampson.

DIPHTHERIA—From Mecklenburg, Northampton, Pender and Stokes.

DISTEMPER, IN HORSES—From Moore and Sampson.

DYSENTERY—From Randolph.

ERYSIPELAS—From Haywood.

HYDROPHOBIA—From Sampson.

INFLUENZA—From Caldwell, Catawba, Moore, New Hanover, Northampton, Pitt, Randolph, Swain and Watauga—9 counties.

MALARIAL FEVER—From Cherokee and Pitt.

MEASLES—From Craven, Durham, Edgecombe, Franklin, Haywood, New Hanover and Orange.

MUMPS—From Burke, Caldwell and Wilson.

PNEUMONIA — From Alamance, Burke, Edgecombe, Franklin, Lincoln, Northampton, Pender, Pitt, Randolph, Richmond, Rowan, Sampson, Swain, Wayne and Wilson—15 counties.

ROTHELN—From Nash.

SCARLATINA—From Edgecombe, Mecklenburg, New Hanover and Wake.

TONSILLITIS—From Caldwell and Sampson.

TYPHOID FEVER — From Alamance, Columbus, Forsyth, New Hanover, Randolph, Swain, Union and Vance—18 counties.

VARICELLA—From Sampson and Vance.

WHOOPING-COUGH—From Alamance, Carteret, Columbus, Craven, Durham, Forsythe, Granville, Iredell, Orange, Pender, Randolph, Robeson and Rowan—13 counties.

Bacilli in Butter.

It is generally known that milk affords a dangerous vehicle for the dissemination of disease, but that this undesirable property is shared by butter is information at once of a novel and startling kind, and such as should put us on our guard. Yet, according to recent researches, there were contained in one dram of butter (as much as would go on the point of a knife) 2,465,555 micro-organisms from the centre of the pat and as many as 47,250,000 on the outside. In fact, in some cases it is tolerably certain, it is stated, that the number of organisms swallowed with a moderately large piece of bread and butter may exceed that of the whole population of Europe. Butter kept in a refrigerator showed a marked reduction of the number of bacteria —a result which is also obtained by the addition of common salt. Samples of artificial butter, curious enough, were invariably found to be much poorer in bacteria than ordinary butter; thus while the smallest number found in one drachm was 747,059, in real butter considerably over two million microbes per minimum. Two varieties of bacilli have been isolated and described, and inasmuch as they were found to be constantly found in butter they were probably specific microbe-organisms of a non-pathogenic character. But, at any rate, it seems clear that butter, as well as milk, is capable of carrying and fostering organisms, and on this account it behooves us, under certain circumstances, to melt out butter to boiling point in addition to boiling milk. We must not, however, forget that nature, which has been so lavish in the production of bacteria, has probably fortified our omnivorous man against any bacteriological dangers by the efficient antiseptic of a healthy digestion. (The disinfecting chamber of the human organism is the stomach).—*Extract from London Lancet in Doctor of Hygiene.*

Summary of Mortuary Reports for March, 1893.

(TWENTY-FOUR TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	69,189	48,782	117,971
Aggregate deaths	75	75	150
Representing annual death-rate per 1,000	13.0	18.5	15.2
Causes of death.			
Diphtheria	1	0	1
Whooping-cough	0	2	2
Measles	1	1	2
Pneumonia	15	7	22
Consumption	7	19	26
Brain diseases	7	3	10
Heart diseases	10	5	15
Neurotic diseases	1	4	5
Diarrhœal diseases	1	4	5
All other diseases	28	28	56
Accident	3	2	5
Suicide	1	0	1
	75	75	150
Still-born	4	4	8
Deaths under 5 years	13	24	37
Deaths under 5 years, color not stated	....	....	5
			42

Condition of Jails and County Homes by Counties for March, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	0				10		1	0
Alexander								
Ashe								
Alleghany								
Anson								
Beaufort								
Bertie								
Bladen								
Brunswick								
Buncombe	60 (*a*)							
Burke	4	600			10	650		
Cabarrus								
Caldwell	6	600	0	4	8	*	3	3
Camden								
Carteret	0	*			0			
Caswell								
Catawba	1		0	1	26		7	13
Chatham	9				29			
Cherokee	3				2			
Chowan								
Clay								
Cleveland	27	664		18	21	997		2
Columbus	6	*		4	11	*		0
Craven	10	1000	1	5	18	*	15	1
Cumberland								
Currituck								
Dare								
Davidson	5	*	0	1	25	721	3	2
Davie								
Duplin	0				8			
Durham	30 (*b*)	1000		7	17	1000		3
Edgecombe	17	995	4	4	26	*	3	4
Forsyth	22	*	10	8	26	*	8	4

* Space exceeds 1,000 cubic feet. (*a*) Includes 30 in House of Correction. (*b*) Includes 20 in House of Correction.

Report on Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	14	.....	.....	.....	24	.....	.....	.....
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	.....	.....	.....	.....	.....	.....	.....	.....
Graham	.....	.....	.....	.....	.....	.....	.....	.....
Granville	14 (*a*)	*	2	5	24	*	9	11
Greene	.....	.....	.....	.....	.....	.....	.....	.....
Guilford	17	734	.....	.....	37	*	.....	.....
Halifax	7	1000	5	4	56	700	30	24
Harnett	.....	.....	.....	.....	.....	.....	.....	.....
Haywood	6	.....	0	5	.....	.....	.....	.....
Henderson	4	.....	.....	.....	1	.....	.....	.....
Hertford	.....	.....	.....	.....	.....	.....	.....	.....
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	7	.....	.....	.....	20	.....	.....	.....
Jackson	.....	.....	.....	.....	.....	.....	.....	.....
Johnston	5	1000	1	2	13	*	.....	.....
Jones	.....	.....	.....	.....	.....	.....	.....	.....
Lenoir	3	*	.....	2	.....	.....	.....	.....
Lincoln	7	*	0	3	23	450	0	4
McDowell	11	.....	0	0	13	.....	0	0
Macon	.....	.....	.....	.....	.....	.....	.....	.....
Madison	.....	.....	.....	.....	.....	.....	.....	.....
Martin	7	1000	0	4	17	700	3	3
Mecklenburg	106 (*b*)	.....	.....	.....	55	.....	.....	.....
Mitchell	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	.....	.....	.....	.....	.....	.....	.....	.....
Moore	4	*	0	3	8	1000	2	3
Nash	9	600	5	7	27	1000	3	4
New Hanover	75 (*c*)	650 (*d*)	27	22	15	1000	8	10
Northampton	4	.....	2	2	27	.....	12	.....
Onslow	.....	.....	.....	.....	.....	.....	.....	.....
Orange	5	512	2	1	17	*	8	4
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

* Space exceeds 1,000 cubic feet. (*a*) Includes 8 in House of Correction. (*b*) Includes 84 in House of Correction. (*c*) Includes 30 in House of Correction. (*d*) In House of Correction 900 cubic feet.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender					3			
Perquimans								
Person								
Pitt					15			1
Polk								
Randolph	2				25			
Richmond	20				13		2	3
Robeson	14 (*a*)	*			6	*		
Rockingham								
Rowan	15	600	0	6	25	*	2	1
Rutherford								
Sampson					21			
Stanly								
Stokes	11	500	3	4	21	400	4	2
Surry								
Swain								
Transylvania								
Tyrrell	0				0			
Union	2				31			
Vance	4	*	0	2	21	*	5	5
Wake	72 (*b*)	*			74	*		
Warren								
Washington								
Watauga	9				6		3	0
Wayne	10	*	0	3	9	*	0	0
Wilkes								
Wilson	4	*	3	2	22	*	4	3
Yadkin								
Yancey								

* Space exceeds 1,000 cubic feet. (*a*) Includes 7 in House of Correction. (*b*) Includes 57 in House of Correction.

Mortuary Report for March, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	7,500	10,500	22.4	21.7	...	...	...	...	...	...	3	1	3	4	1	...	...	2	...	14	19	5	1
Dr. C. E. Hilliard	Colored.	3,000		20.0		...	...	...	...	...	...	...	2	1	1	...	...	...	1	...	5		1	...
Charlotte	White.	8,000	14,000	15.0	15.4	...	...	...	...	...	...	3	...	...	1	...	...	5	...	1	10	18	...	...
Fred. Nash, Esq.	Colored.	6,000		16.0		...	...	...	...	...	...	1	2	...	1	...	4	...	...	...	8		...	...
Durham	White.	4,500	8,000	8.0	10.5	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	3	7	...	...
Dr. N. M. Johnson.	Colored.	3,500		13.7		...	...	...	...	...	1	...	1	...	...	...	...	2	...	...	4		...	...
Fayetteville	White.	2,800	5,000	34.3	24.0	...	...	...	...	...	...	2	...	...	...	...	...	6	...	...	8	10	2	...
Dr. J. H. Marsh.	Colored.	2,200		10.9		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2		2	1
Goldsboro	White.	2,800	5,000	8.6	12.0	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	2	5	1	...
Mayor A. B. Hollowell	Colored.	2,200		16.4		...	...	...	...	...	...	1	1	...	...	...	...	1	...	...	3		2	...
Greensboro	White.	5,000	7,000	.....	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dr. A. R. Wilson.	Colored.	2,000		.....		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...
Henderson	White,	2,256	4,256	5.3	5.6	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	2	...	...
Dr. W. T. Cheatham.	colored.	2,000		6.0		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		1	...
Hillsboro	White	600	1,000	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. D. C. Parris.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Lexington	White.	1,500	1,800	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Marion	White.	650	800	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. B. A. Cheek.	Colored.	150		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Monroe	White.	1,200	2,000	12.0	6.0	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...
Dr. W. D. Pemberton.	Colored.	800		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Morehead City	White.	1,298	1,526	18.5	15.7	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	2	2	1	...
Mayor T. C. Davis.	Colored.	228		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Oxford	White.	1,700	3,300	7.0	25.4	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	7	...	1
Dr. P. Booth.	Colored.	1,600		45.0		...	...	...	...	...	...	...	...	...	...	1	...	5	...	...	6		4	...
Raleigh	White.	8,000	15,000	15.0	17.6	...	...	...	...	...	...	4	2	1	...	...	...	3	...	...	10	22	5	...
Dr. James McKee.	Colored.	7,000		20.6		...	...	...	...	...	...	1	5	1	...	1	...	4	...	...	12		...	...
Rockingham	White.	1,200	1,700	0.0	14.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
Dr. J. M. Stansill.	Colored.	500		48.0		...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2		1	...
Rocky Mount	White.	800	1,200	0.0	10.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. G. L. Wimberley.	Colored.	400		30.0		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Salem	White.	3,942	4,284	18.2	16.8	...	...	...	...	...	...	1	1	1	1	...	...	2	...	...	6	6	2	...
Mayor J. H. Stockton.	Colored.	342		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salisbury	White.	3,500	5,000	6.9	14.4	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	6	...	...
Dr. J. J. Summerell.	Colored.	1,500		32.0		...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	4		1	...
Scotland Neck	White.	700	1,100	60.0	21.8	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	2	...	...
Mayor J. A. Perry.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Southport	White.	800	1,200	15.0	20.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	...	...
P. J. Farrell, Esq.	Colored.	400		30.0		...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1		...	...
Statesville	White.	2,500	3,000	4.8	4.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. W. J. Hill	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Tarboro	White.	1,258	2,370	9.5	10.0	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	2	...	...
Dr. D. Williams.	Colored.	1,112		10.8		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Weldon	White.	685	1,435	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Mayor J. T. Gooch.	Colored.	750		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Wilmington	White.	9,000	21,000	10.7	17.1	...	...	...	1	...	...	1	1	1	2	...	...	1	1	...	8	30	2	...
Dr. F. W. Potter.	Colored.	12,000		22.0		...	...	...	...	2	...	...	6	1	3	2	...	8	...	...	22		12	3
Wilson	White.	2,000	3,500	12.0	17.1	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	2	5	...	2
Dr. Albert Anderson.	Colored.	1,500		24.0		...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	3		...	...

Meteorological Summary for North Carolina, March, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	44.2	79	31	57.2	9	16	31.1	70	26.1	66	2.99	14	5	12	9	N. W.
Bakersville	44.9	78	11	58.5	12	5	31.3	66	27.2	.....	1.62	16	2	13	5	W.
Blowing Rock	41.6	67	31	52.9	6	5	30.2	66	22.7	.....	2.73	9	7	15	7	N. W.
Charlotte	49.6	77	31	59.6	18	5	39.6	59	20.0	66	1.74	14	4	13	9	S. W.
Chapel Hill	48.0	77	24	60.0	22	5	36.1	55	23.9	.....	1.48	.....	.....	.....	8	S. W.
Horse Cove	44.2	73	31	53.6	10	5	34.7	63	18.9	.....	3.46	9	12	10	10	S. E.
Littleton	44.4	78	24	55.5	21	5	33.4	57	22.1	.....	0.98	12	4	15	12	S. W.
Lenoir	46.8	72	31	54.7	12	5	37.5	60	17.2	.....	1.10	18	4	9	4	S. W.
Louisburg	45.7	76	24	55.4	24	4	36.0	52	19.4	87	1.18	1	13	17	10	S W.
Mt. Airy	45.1	75	31	57.5	20	5	32.7	55	24.8	.....	1.43	9	12	10	6	.....
Mt. Pleasant	49.4	77	31	60.2	19	5	38.7	58	21.5	.....	1.46	11	10	10	8	S. W.
Marion	47.0	80	31	61.5	11	5	32.5	75	29.0	.....	1.35	16	7	8	3	S. E.
Newbern	48.4	70	23	56.0	22	5	40.8	58	15.2	.....	3.61	.....	.....	.....	10	.....
Oak Ridge	47.2	75	31	58 1	17	5	36.2	58	21.9	74	1.07	13	1	17	10	N. E.
Pittsboro	46.6	71	31	56.0	20	5	37.1	51	18.9	.....	1.05	9	10	12	6	N. E.
Raleigh	48.2	78	24	57.7	21	5	38.7	57	19.0	78	1.59	11	7	13	13	N.
Hatteras	48.0	68	23	53.5	28	5	42.6	40	10.9	.....	4.51	7	12	10	4	N.
Roxboro	47.6	73	24	58.6	20	5	36.7	53	21.9	.....	0.97	10	10	11	6	.....
Soapstone Mount	48.0	77	31	60.8	19	5	35.1	58	25.7	.....	1.43	6	14	11	6	S. W.
Saxon	46.6	76	31	58.4	18	5	34.9	58	23.5	.....	1.55	13	8	10	11	S. W.
Southern Pines	49.6	80	24	60.7	17	5	38.4	63	22.3	.....	1.70	12	12	7	3	S. W.
Salisbury	49.6	71	31	58.6	21	5	40.6	50	18.0	.....	1.10	.....	.....	.....	7	.....
Highlands	40.7	70	31	50.6	5	5	30.8	65	19.8	.....	4.64	11	10	10	9	S. E.
Willeyton	47.1	79	24	57.9	21	5	36.3	58	21.6	.....	3.00	7	11	14	8	S.
Weldon	46.8	79	24	56.9	23	5	36.8	56	20.1	.....	2.23	14	5	12	9	N.
Wilmington	53.6	76	9	62.0	26	5	45.1	50	16.9	82	2.40	8	12	11	14	S. W.

STATE METEOROLOGICAL SUMMARY FOR MARCH, 1893.

Mean Barometer, 30.10 inches; normal for March, 30.05. Highest Barometer, 30.57 on the 29th, at Norfolk. Lowest Barometer, 29.23 on the 4th, at Hatteras.

Mean temperature, 47.5 degrees; normal for March, 48.0. Highest temperature, 82 on the 24th, at Smithfield. Lowest temperature, 5 on the 5th, at Highlands.

Average rain-fall, 2.15 inches; normal for March, 4.90 inches. Greatest monthly rain-fall, 4.98 inches, at Lewiston. Least monthly rain-fall, 0.75 inches, at Warrenton.

Average number of clear days, 11; partly cloudy, 8; cloudy, 12; rainy, 8.

Prevailing wind direction, south-west; average velocity, 9.7 miles per hour. Normal direction for March, south-west. Normal velocity, 9.5 miles per hour.

BULLETIN

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J. H. Tucker, M. D.....Henderson.
J. A. Hodges, M. D.....Fayetteville.
S. Westray Battle, M. D.....Asheville.
W. H. Harrell, M. D.....Williamston.
Geo. Gillett Thomas, M. D...Wilmington.
Prof. F. P. Venable.....Chapel Hill.
J. L. Ludlow, C. E.....Winston.
Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

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In Relation to Contagious Diseases in North Carolina.

Two weeks ago a copy of the new Act Relating to the Board of Health, ratified March 1, 1893, together with a copy of Instructions for Quarantine and Disinfection, prepared by the Secretary of the State Board of Health in accordance with the requirement in section 9 of the act, and therefore a part of the law, was mailed to every registered physician in the State with the exception of those in three counties, from the Superior Court Clerks of which no replies have been received to letters requesting a list of the registered physicians in their counties.

Section 9 says: "Inland quarantine shall be under the control of the County Superintendent, who shall see that diseases especially dangerous to the public health, viz., small-pox, diphtheria, scarlet fever, yellow fever, typhus fever and cholera, are properly quarantined and isolated within twenty-four hours after the case is brought to his knowledge, etc."

Section 10 says: "When a householder knows that a person within his family is sick of either of the diseases enumerated in section 9 he shall immediately give notice thereof to the health officer or mayor if he resides in a city or incorporated town, otherwise to the County Superintendent of Health; and section 11 requires the attending physician to give the same notice as soon as he makes a diagnosis of one of these diseases."

To successfully carry out the law in relation to contagious diseases, a cordial co-operation between the County Superintendent or local health officer, the attending physician and the householder, is necessary.

These words are penned in the hope of aiding as far as possible in bringing about this necessary co-operation by suggesting how it may be best managed practically. The County Superintendent or municipal medical health officer is responsible and he cannot evade his responsibility, and whatever may be the method used in performing this duty that fact must not be lost sight of. It is manifestly impracticable to expect a County Superintendent in a large county on an entirely inadequate salary to personally superintend the quarantining of

the patients and the disinfection of the premises and articles used after death or recovery in every case of contagious disease. Our health officers *ought* to be paid enough to justify them in giving their whole time to sanitary work, some of us think, but the people of our State certainly do not yet take that view of it, and until they do we must do the best we can with what they give us. The idea has been suggested that some physicians might look upon the appearance of the Superintendent of Health in the sanitary management of their cases as an intrusion and that trouble might arise in consequence. While there could be no just ground for such a feeling if the health officer confined himself to his duties and the attending physician were as courteous as we have a right to expect, still it is always best to avoid anything that might lead to unnecessary friction. To that end it seems to the Secretary of the State Board that the best plan would be this: Let the County Superintendent or municipal medical health officer obtain from all registered physicians, who are themselves members of the County Boards of Health, their promise (preferably in writing to prevent any misunderstanding afterwards) to carry out the instructions for quarantine and disinfection as required by law. When notified of the occurrence of a case of the diseases mentioned, in the practice of any one who has made this promise, let him promptly send him a copy of the instructions together with the proper placard. At the same time he should send to the householder also a copy of the instructions with a note calling attention to the requirements of the law in such cases, and stating that he had committed its execution to the attending physician who had given his promise to see it carried out. The attending physician, remembering the responsibility resting upon the conscience of the health officer, should, immediately upon the completion of the disinfection, certify to him that the requirements of the law had been met. The health officer should of course personally look into any suspicious cases having no physician, and if contagious disease be found, see himself that the required precautions are taken.

While the above is not the ideal method of applying the law, it is as good, taking all the facts as they actually exist into consideration, as any which occurs to the writer that is at all practicable.

Twenty-five placards each for diphtheria and scarlet fever, and two each for the other four diseases, together with fifty copies of the Instructions for Quarantine and Disinfection, have been sent to every County Superintendent and municipal medical health officer. Upon notification to the Secretary of further need a new supply will be forwarded. The Secretary would also be glad to furnish the same to individual physicians in counties having no Superintendent, and he hopes that immediately upon the occurrence of a case of either of the diseases mentioned in the practice of any one living in such counties notice will be sent to him at once that he may send the "Instructions" and placards.

A Word With County Superintendents of Health.

By section 6 of the act relating to the Board of Health, the Secretary of the State Board is "required to notify, on the eleventh day of each month, the Chairman of the Board of County Commissioners" of any delinquency on the part of a County Superintendent of Health in sending in his report "by the tenth of the month." A copy of the law having been furnished to every Superintendent, the Secretary now feels that he would be derelict in his own duty if he neglected any longer to obey the clear mandate of the law. So that, beginning with the eleventh day of June, notice of any delinquency in the matter alluded to must and will be sent to the Chairman of the Board of County Commissioners.

Summary of Reports from County Superintendents for April, 1893.

ALAMANCE—Dr. George W. Long, Graham. Whooping-cough, mumps, catarrhal fever complicated with pneumonia, and one case of typhoid fever. The public buildings are in good sanitary condition, except the jail, which is about as good as the old building will permit.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Little sickness; one case of typhoid fever. The sanitary condition of the public buildings is very good.

ALLEGHANY—No Board of Health.

ANSON—Dr. E. S. Ashe, Wadesboro. No report.

ASHE—No Board of Health.

BEAUFORT—Dr. S. T. Nicholson, Washington. No report.

BERTIE—No Board of Health.

BLADEN—Dr. N. Robinson, Elizabethtown. No report.

BRUNSWICK—No Board of Health.

BUNCOMBE—Dr. Chas. E. Hilliard, Asheville. No special disease has prevailed. The sanitary condition of the public buildings is good.

BURKE—Dr. J. L. Laxton, Morganton. Ten cases of pneumonia, two of bronchitis and three of dysentery reported. The condition of the public buildings is about as last reported. No efforts at improvement.

CABARRUS—No Board of Health.

CALDWELL—Dr. A. A. Kent, Lenoir. Grip has prevailed in all portions of the county, a large number of the cases going into pneumonia; ten cases of pneumonia in my own practice; six reported by the other doctors who make reports.

CAMDEN—No Board of Health.

CARTERET—Dr. M. F. Arendell, Morehead City. Measles and whooping-cough reported; some distemper among horses. The public buildings are in good order and clean; they are old, but I think safe.

CASWELL—Dr. R. H. Williamson, Yanceyville. No report.

CATAWBA—Dr. George H. West, Newton. La Grippe has prevailed in the central portions of the county; very little sickness. The public buildings are in good sanitary condition.

CHATHAM—Dr. W. E. Headen, Pittsboro. Very few cases of any kind reported. There has been an epidemic of cholera among domestic animals. The sanitary condition of the public buildings is good.

CHEROKEE—Dr. J. F. Abernathy, Murphy. One case of typhoid fever. There are a few fish-ponds in this county yet, but we hope to have them all well drained in the near future, and in cultivation of seeds of construction rather than seeds of destruction, for these ponds are bad germ producers. The health of the public is good. The public buildings are in fine condition.

CHOWAN—No Board of Health.

CLAY—No Board of Health.

CLEVELAND—Dr. O. P. Gardner, Shelby. Whooping-cough has prevailed in many parts of the county; cholera among fowls is prevailing. The public buildings are in good condition.

COLUMBUS—Dr. I. Jackson, Whiteville. Whooping-cough has prevailed extensively but is disappearing: one case of typhoid fever; hog cholera reported. The sanitary condition of the public buildings is good; when repairs are needed no time is lost in having them attended to.

CRAVEN—Dr. Leinster Duffy, Newbern. Measles, whooping-cough, influenza and pneumonia have occurred. The sanitary condition of the public buildings is fairly good.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. Whooping-cough has prevailed to some extent, and there have been several cases of pneumonia and roseola. We are to have a new court-house soon.

CURRITUCK—No Board of Health.

DAVIE—No Board of Health.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. No reports of special diseases. Health

of county remarkably good. The sanitary condition of the public buildings is good.

DARE—No Board of Health.

DUPLIN—Dr. J. W. Blount, Kenansville. Very little sickness of any kind. Hog cholera in some sections, very deadly. The sanitary condition of the public buildings is moderately good—better than for a number of years.

DURHAM—Dr. N. M. Johnson, Durham. Measles and mumps have prevailed. "The healthfulness of the public buildings is good, and the apparent sanitary condition is splendid."

EDGECOMBE—Dr. Donald Williams, Tarboro. Very little sickness; one case of diphtheria and a few of measles. The sanitary condition of the public buildings is very good.

FORSYTH—Dr. D. N. Dalton, Winston. No diseases reported. The sanitary condition of the public buildings is good.

FRANKLIN—Dr. E. S. Foster, Louisburg. "The so-called German measles, rötheln, has prevailed in this town and in other parts of the county, of very mild type." The sanitary condition of the public buildings is good.

GASTON—Dr. J. H. Jenkins, Dallas. Health of county fairly good. Some dysentery and catarrhal fever have occurred. The sanitary condition of the jail and county home is good.

GATES—No Board of Health.

GRAHAM—No Board of Health.

GRANVILLE—Dr. Patrick Booth, Oxford. Four cases of whooping-cough reported. Reports as far as received indicate improved sanitary condition of county. The condition of the public buildings is fair. "The jail is improved by cleanliness and whitewashing. I have ordered fumigation, as four prisoners have just gone out who had itch, and one who reported lice, though I saw none."

GREENE—Dr. E. H. Sugg, Snow Hill. Malarial fever and conjunctivitis have prevailed. A few cases of typhoid fever reported. The sanitary condition of the public buildings is good.

GUILFORD—Dr. E. R. Michaux, Greensboro. Health of town and country remarkably good. Sanitary condition of the public buildings very good, save the jail. Quite decided improvement being made at the Home—general cleaning up and painting. We will add some to present buildings soon.

HALIFAX—Dr. I. E. Green, Weldon. Very little sickness. The sanitary condition of the public buildings is good.

HARNETT—No Board of Health.

HAYWOOD—Dr. J. Howell Way, Waynesville. No special diseases to report. The sanitary condition of the public buildings is as good as the antiquated style of buildings will admit.

HENDERSON—Dr. J. L. Egerton. One case of scarlatina reported. The sanitary condition of the public buildings very good.

HERTFORD—No Board of Health.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill, Statesville. Pneumonia has prevailed in some parts of the county. The public buildings are well kept.

JOHNSTON—Dr. R. J. Noble, Smithfield. No diseases reported. The sanitary condition of the public buildings is good.

JONES—No Board of Health.

LENOIR—Dr. C. B. Woodley, Kinston. No diseases reported. The sanitary condition of the public buildings is fair—is being improved.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Ten cases of typhoid fever reported in limited territory. Colds and pneumonia have prevailed in some sections. Sanitary condition of public buildings fair.

MACON—Dr. S. H. Lyle, Franklin. Influenza has prevailed in all parts of the county. The jail is in good condition.

MADISON—No Board of Health.

MARTIN—Dr. W. H. Harrell, Williamston. Health of the county good. Two

cases of typhoid fever reported. The County Home is in good condition. The jail is not so good, but will be attended to at once; it needs a general "spring cleaning."

McDowell—Dr. B. A. Cheek, Marion. Nothing reported but rheumatism, neuralgia and catarrhal troubles. The sanitary condition of the public buildings is good. The windows of the jail can be raised and the inmates can get fresh air at any time. The physicians have sent in no reports.

Mecklenburg—Dr. H. M. Wilder, Charlotte. A few sporadic cases of scarlet fever and diphtheria have occurred. Mumps is prevalent throughout the county. The county jail is undergoing repairs for sanitation and safety. The prisoners are confined in the guard-house of the city, which is clean and in good sanitary condition. The condition of the County Home could hardly be better. The inmates are well fed and clothed. The condition of the chain-gang is only passable. There has been some delay on the part of the proper authorities in securing adequate quarters for the convicts, but I have neglected no opportunity of calling their attention to the pressing needs.

Mitchell—Dr. C. E. Smith, Bakersville. No report.

Montgomery—Dr. F. E. Asbury, Asbury. No report.

Moore—Dr. Gilbert McLeod, Carthage. Little sickness except some whooping-cough; a few mild cases of influenza; some intestinal troubles, and five cases of chicken-pox. The court-house and jail are in very good condition, and the Home also so far as the buildings will admit. New buildings are needed there and the Commissioners have the matter under consideration, but they make slow progress.

Nash—Dr. J. J. Mann, Nashville. No diseases reported. The public building are in first-class condition.

New Hanover—Dr. F. W. Potter, Wilmington. Five cases of measles, two of whooping-cough, two of typhoid fever and two of hemorrhagic malarial fever reported. The public buildings are all in good sanitary condition. The Home has been renovated, washed and thoroughly white-washed. The yard and grounds in connection with it have been very much improved.

Northampton—Dr. H. W. Lewis, Jackson. No disease, except two cases of typhoid fever, to report. The sanitary condition of the county is better than usual at this season of the year. The condition of the jail is good; that of the Home not good; we are trying to improve it.

Onslow—Dr. E. L. Cox, Jacksonville. Two cases of typhoid fever and one of hemorrhagic malarial fever reported. Other malarial fevers, dysentery and tonsillitis have also occurred. The sanitary condition of the public buildings is good.

Orange—Dr. D. C. Parris, Hillsboro. A few cases of measles and of whooping-cough reported. Influenza and pneumonia have prevailed in many sections. There has been a frequency of distemper among horses. The sanitary condition of the public buildings is good except the jail.

Pamlico—No Board of Health.

Pasquotank—No Board of Health.

Pender—Dr. W. C. Murphy, Burgaw. No diseases reported.

Perquimans—No Board of Health.

Person—No Board of Health.

Pitt—Dr. B. T. Cox, Redallia. Pneumonia has prevailed in all parts of the county. A few cases of la grippe and malarial fevers have occurred; one of meningitis and two of acute rheumatism reported. The public buildings are kept very clean and nice.

Polk—No Board of Heath.

Randolph—Dr. J. M. Boyette, Ashboro. Influenza, pneumonia and bowel troubles have prevailed to some extent. Hog cholera and lung fever among horses have prevailed, but are not epidemic. The public buildings are in first-class sanitary condition.

RICHMOND—Dr. J. M. Stansill, Rockingham. A few cases of whooping-cough. There has been considerable sickness, mostly of a catarrhal character, with several cases of pneumonia and pleurisy—an unusual number for this section. The sanitary condition of the jail is moderately good except that there are too many in it for its size. I have advised the Commissioners to lessen the number, which will be done. Our County Home is to be remodeled.

ROBESON—Dr. R. F. Lewis, Lumberton. Malarial fevers and some whooping-cough have prevailed; little else. There has been an epidemic of cholera among swine. No change in sanitary condition of the public buildings.

ROCKINGHAM—No Board of Health.

ROWAN—Dr. J. J. Summerell, Salisbury. County very healthy; one case of whooping-cough heard of. The public buildings are in good sanitary condition—a nice new fence around the jail. "The commissioners are blowing a little before placing the iron fence around the court-house. I hope when they make another start the thing will be carried through with celerity."

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. Health of county better than for a number of years; no diseases reported. The public buildings are in very good sanitary condition.

SAMPSON—Dr. J. A. Stearns, Clinton. Pneumonia, bronchitis, tonsillitis and a few cases of malarial fevers have occurred. No reports from other physicians. There has been an epidemic of hog cholera and many cases of hydrophobia among dogs. The sanitary condition of the County Home is good. A new jail is being built to cost $6,400. The prisoners are kept now in Wayne County jail.

STANLY—Dr. A. C. Boyles, New London. No report.

STOKES—Dr. J. W. Neal, Meadows. A number of cases of pneumonia reported. There has been an epidemic of distemper among horses. The sanitary condition of the public buildings is good.

SURRY—No Board of Health.

SWAIN—Dr. R. L. Davis, Bryson City. No sickness except colds and two cases of pneumonia to report. The jail is in only fairly good sanitary condition. No efforts are being made to improve it.

TRANSYLVANIA—No Board of Health.

TYRRELL—Dr. Ab. Alexander, Columbia. No diseases to report. The sanitary condition of the public buildings is good.

UNION—Dr. J. H. Blair, Monroe. Typhoid fever has prevailed in the eastern portion of the county.

VANCE—Dr. W. T. Cheatham, Henderson. No contagious disease has prevailed. The sanitary condition of the county and public buildings is good.

WAKE—Dr. James McKee, Raleigh. One case of measles and five of scarlet fever. No epidemic. The sanitary condition of the public buildings is good.

WARREN—Dr. P. J. Macon, Warrenton. No contagious or infectious diseases to report; few of any sort have occurred.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. No diseases of any note. The public buildings are in good condition and well kept.

WAYNE—Dr. John Spicer, Goldsboro. No diseases to report except a few cases of dysentery towards end of month. The public buildings in good condition.

WILSON—Dr. Albert Anderson, Wilson. No diseases to report except one case of typhoid fever. The sanitary condition of the public buildings is good. Great improvements have been made at the Home since last report.

YADKIN—Dr. T. R. Harding, Yadkinville. No report.

YANCEY—Dr. J. L. Ray, Burnsville. Health of county unusually good. Three cases of typhoid fever reported. The Home is in moderately good condition. The jail is a little better kept than usual, but is not as clean as it should be yet.

Review of Diseases for April, 1893.

Bronchitis—From Burke and Sampson.

Catarrhal Diseases—From Alamance, Gaston, McDowell and Richmond.

Cholera, in Chickens—From Cleveland.

Cholera, in Hogs—From Chatham, Columbus, Duplin, Randolph, Robeson and Sampson.

Diphtheria—From Edgecombe and Mecklenburg.

Distemper, in Horses—From Carteret, Orange and Stokes.

Dysentery—From Burke, Gaston, Onslow and Wayne.

Hydrophobia, in Dogs—From Sampson.

Influenza—From Caldwell, Craven, Macon, Moore, Orange, Pitt and Randolph.

Lung Fever, in Horses—From Randolph.

Malarial Fever—From Greene, Onslow, Pitt, Robeson and Sampson.

Malarial Fever, Hemorrhagic—From New Hanover and Onslow.

Measles—From Carteret, Craven, Durham, Edgecombe, New Hanover, Orange and Wake.

Mumps—From Alamance and Durham.

Pneumonia—From Alamance, Burke, Caldwell, Craven, Cumberland, Iredell, Lincoln, Orange, Pitt, Randolph, Richmond, Sampson, Stokes and Swain—14 counties.

Rheumatism—From McDowell and Pitt.

Rötheln—From Franklin.

Scarlet Fever—From Henderson, Mecklenburg and Wake.

Tonsillitis—From Onslow and Sampson.

Typhoid Fever—From Alamance, Alexander, Cherokee, Columbus, Greene, Lincoln, Martin, New Hanover, Northampton, Onslow, Union, Wilson and Yancey—13 counties.

Varicella—From Moore.

Whooping-cough—From Alamance, Carteret, Cleveland, Columbus, Craven, Cumberland, Granville, Moore, New Hanover, Orange and Robeson—11 counties.

Summary of Mortuary Reports for April, 1893.

(TWENTY-FIVE TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	73,780	51,984	125,764
Aggregate deaths	69	69	138
Representing annual death-rate per 1,000	11.2	15.9	13.2
Causes of death.			
Typhoid Fever	2	0	2
Malarial Fever	0	3	3
Diphtheria	1	0	1
Whooping-cough	0	1	1
Measles	2	1	3
Pneumonia	9	10	19
Consumption	12	14	26
Brain diseases	3	1	4
Heart diseases	5	4	9
Neurotic diseases	3	4	7
Diarrhœal diseases	6	3	9
All other diseases	26	24	50
Accident	0	3	3
Suicide	0	1	1
	69	69	138
Deaths under 5 years	15	14	29
Still-born	2	9	11

Condition of Jails and County Homes by Counties for April, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	10 (*a*)	600			30	600		
Alexander	1	*			10	*	1	0
Ashe								
Alleghany								
Anson								
Beaufort								
Bertie								
Bladen								
Brunswick								
Buncombe	64 (*b*)				20			
Burke	5	600	2		10	700	4	
Cabarrus								
Caldwell	3	*	0	3	7	*	3	3
Camden								
Carteret	1	*	0	0	0			
Caswell								
Catawba	3		1	3	26		9	19
Chatham	12				29			
Cherokee	1				6			
Chowan								
Clay								
Cleveland	12	*		7	21	997		4
Columbus	6	*		2	12	*		0
Craven	10	1000	1	5	16	*	14	1
Cumberland	8				17			
Currituck								
Dare								
Davidson	4	*	0	0	25	720	0	2
Davie								
Duplin	0				8			
Durham	32 (*c*)	1000		8	17	1000		2
Edgecombe	12	*	4	3	27	*	5	2
Forsyth	30	900	6	5	26	*	4	2

(*a*) Includes 4 in House of Correction. (*b*) Includes 40 in House of Correction. (*c*) Includes 24 in House of Correction. * Space exceeds 1,000 cubic feet.

Report on Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	9				19			
Gaston								
Gates								
Graham								
Granville	9 (*a*)	*	0	0	27	*		
Greene	1	500			8	1000		1
Guilford	21	594			34	*		
Halifax	10	1000	6	6	47	700	7	6
Harnett								
Haywood	11							
Henderson	7				1			
Hertford								
Hyde								
Iredell	8				20			
Jackson								
Johnston	3	*	0	2	13	*	0	0
Jones								
Lenoir	3	*	0	3				
Lincoln	7	1000		4	23	450		7
McDowell	6		0	0	11		0	0
Macon	8		2	5	0		0	0
Madison								
Martin	7	1000	1	2	13	700	3	3
Mecklenburg	94 (*b*)				57			
Mitchell								
Montgomery								
Moore	9	*	0	4	8	*	2	4
Nash	9	600		8	30	1000	5	6
New Hanover	49 (*c*)	900	23	21	14	1000	10	6
Northampton	3		0		27	800	10	8
Onslow	0				4	*	1	
Orange	8	512	1	3	17	*	8	4
Pamlico								

(*a*) All in House of Correction. (*b*) Includes 82 in House of Correction. (*c*) Includes 26 in House of Correction. * Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender					4		0	0
Perquimans								
Person								
Pitt	7				16			
Polk								
Randolph	2				28			
Richmond	21		5	18	13		2	3
Robeson	13	532			7	*		
Rockingham								
Rowan	20	350	9	12	24	*	3	1
Rutherford	9	800			24	900		
Sampson					22			
Stanly								
Stokes	8	500	3	4	20	400	2	2
Surry								
Swain								
Transylvania								
Tyrrell								
Union	8	*			31	700		
Vance	4	*		1	21	*	4	4
Wake	77 (a)	*			77	*		
Warren	1	*		1	22	*		2
Washington								
Watauga	7	500	0	0	6	*	0	0
Wayne	4	952	0	0	10	*	0	0
Wilkes								
Wilson	5	*	3	4	22	*	5	8
Yadkin								
Yancey	4	576	1	3	3	*		

(a) Includes 67 in House of Correction. * Space exceeds 1,000 cubic feet.

Mortuary Report for April, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	7,500	10,500	8.0	12.6	...	...	...	...	...	...	...	2	1	...	...	1	1	...	...	5	11	--	1
Dr. C. E. Hilliard	Colored.	3,000		24.0		...	...	...	...	...	...	3	1	...	1	...	...	...	1	...	6		1	1
Charlotte	White.	8,000	14,000	9.0	15.4	...	...	...	...	...	...	...	2	...	...	1	2	1	...	...	6	18	1	...
Fred. Nash, Esq.	Colored.	6,000		24.0		...	...	2	...	...	...	2	3	...	...	2	...	2	1	...	12		3	...
Durham	White.	4,500	8,000	10.7	10.5	...	...	...	1	..	2	...	...	...	...	...	...	1	...	...	4	7	2	...
Dr. N. M. Johnson.	Colored.	3,500		10.3		...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	3		1	...
Fayetteville	White.	2,800	5,000	4.3	9.6	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	4	...	...
Dr. J. H. Marsh.	Colored.	2,200		16.4		...	...	...	...	...	...	1	1	...	...	...	...	1	...	...	3		2	...
Goldsboro	White.	2,800	5,000	21.4	21.6	..	...	...	...	...	...	1	1	...	...	1	2	...	...	...	5	9	2	...
Mayor A. B. Hollowell	Colored.	2,200		21.8		...	...	...	...	...	...	...	1	...	...	...	...	3	...	...	4		1	...
Greensboro	White.	4,000	6,000	12.0	8.0	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	4	4	3	...
Dr. E R. Michaux.	Colored.	2,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Henderson	White.	2,256	4,256	5.3	8.4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	3	...	...
Dr. W. T. Cheatham.	Colored.	2,000		12.0		..	...	...	...	...	...	...	1	...	...	1	...	...	...	...	2		...	...
Hillsboro	White.	600	1,000	0.0	24.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
Dr. D. C. Parris.	Colored.	400		60.0		...	...	...	...	...	...	1	1	...	...	...	..	...	...	...	2		1	...
Lexington	White.	1,500	1,800	0.0	6.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	..	...
Dr. R. L. Payne, Jr.	Colored.	300		40.0		...	...	...	...	...	...	...	...	...	...	...	...	...	..	1	1		...	...
Marion	White.	650	800	0.0	0.0	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. B. A. Cheek.	Colored.	150		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Monroe	White.	1,200	2,000	10.0	6.0	...	..	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. W. D. Pemberton.	Colored.	800		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	1
Morehead City	White.	1,324	1,554	9.1	15.4	...	...	...	...	...	...	1	...	...	...	...	...	...	..	...	1	2	...	...
Mayor T. C. Davis.	Colored.	230		52.2		...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1		1	...
Oxford	White.	1,700	3,300	0.0	7.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
Dr. P. Booth.	Colored.	1,600		15.0		...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2		...	1
Raleigh	White.	8,000	15,000	19.5	20.0	...	...	...	...	...	...	3	1	...	1	...	8	...	...	...	13	25	3	...
Dr. James McKee.	Colored.	7,000		20.6		...	...	...	...	...	...	1	1	...	1	...	9	...	...	...	12		3	1
Rockingham	White.	1,200	1,700	30.0	21.2	...	...	...	...	...	...	1	...	...	1	...	...	1	...	...	3	3	...	...
Dr. J. M. Stansill.	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Rocky Mount	White.	800	1,200	15.0	10.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. G. L. Wimberley.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salem	White.	3,942	4,284	3.0	8.4	...	...	...	...	...	..	1	...	...	...	...	...	...	...	...	1	3	...	...
Mayor J. H. Stockton.	Colored.	342		70.1		1	...	..	...	...	...	1	...	...	...	...	...	...	...	...	2		...	...
Salisbury	White.	3,000	5,000	12.0	14.4	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	3	6	1	...
Dr. J. J. Summerell.	Colored.	2,000		18.0		...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	3		...	...
Scotland Neck	White.	700	1,100	17.1	10.9	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	1	...	...
Mayor J. A. Perry.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Southport	White.	800	1,200	15.0	10.0	...	...	...	...	...	...	...	...	...	..	...	...	1	...	...	1	1	1	...
P. J. Farrell, Esq.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0		..	...
Statesville	White.	2,500	3,700	4.8	3.2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. W. J. Hill	Colored.	1,200		0.0		...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0		...	1
Tarboro	White.	1,258	2,370	19.1	10.1	...	...	...	...	...	...	1	...	..	1	...	...	...	...	...	2	2	1	...
Dr. Donald Williams.	Colored.	1,112		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Weldon	White.	750	1,500	16.0	16.0	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	1	...
Mayor J. T. Gooch.	Colored.	750		16.0		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		1	...
Wilmington	White.	10,000	22,000	15.6	14.3	...	...	...	...	1	...	1	3	1	2	...	...	5	...	...	13	26	.	1
Dr. F. W. Potter.	Colored.	12,000		13.0		...	...	1	...	...	...	...	3	1	2	1	1	4	...	...	13			4
Wilson	White.	2,000	3,500	6.0	10.3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	1
Dr. Albert Anderson.	Colored.	1,500		16.0		...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2		...	...

Meteorological Summary for North Carolina, April, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	57.7	89	8	71.0	26	24	44.4	63	26.6	55.9	1.95	16	9	5	7	S.
Bakersville	55.4	90	9	70.4	21	24	40.3	69	30.1	.....	3.46	.....	.....	.....	8	.....
Blowing Rock	51.5	83	8	62.6	22	24	40.4	61	22.2	.....	5.42	12	7	11	7	S. W.
Charlotte	63.0	89	9	73.9	39	16	52.0	50	21.9	59.0	1.64	12	5	6	21	S. W.
Chapel Hill	62.0	93	9	75.0	36	23	49.1	57	25.9	.....	1.49	.....	.....	.....	7	S. W.
Horse Cove	58.4	84	9	68.8	31	24	48.0	53	20.8	.....	5.24	13	12	5	8	S. W.
Littleton	60.0	89	29	73.1	32	23	47.0	57	26.1	.....	0.88	.....	.....	.....	.....	S. W.
Lenoir	59.6	87	9	68.2	32	22	50.0	52	18.2	.....	2.50	14	6	10	7	S. W.
Louisburg	60.8	88	9	71.4	35	23	50.1	55	21.3	75.7	1.28	3	18	9	8	S. W.
Mt. Airy	56.6	89	9	69.3	27	24	43.9	62	25.4	.....	2.69	11	10	9	6	S. W.
Mt. Pleasant	61.6	91	9	73.9	35	18	49.2	56	24.7	.....	1.52	11	8	11	6	S. W.
Marion	59.5	90	9	74.8	25	21	44.2	65	30.6	.....	3.00	19	5	6	5	E.
Newbern	60.8	88	30	69.5	40	24	52.2	48	17.3	.....	3.57	.....	.....	.....	6	.....
Oak Ridge	59.2	87	30	71.0	31	24	47.5	56	23.5	.....	2.19	10	4	16	11	S. W.
Pittsboro	60.0	90	9	70.7	33	18	49.4	57	21.3	.....	2.45	10	13	7	4	S. W.
Raleigh	62.2	91	9	73.0	37	24	51.5	54	21.5	67.6	1.40	9	8	13	9	S. W.
Rockingham	68.1	95	9	80.6	42	24	55.6	51	25.0	.....	2.00	18	8	4	5	.....
Roxboro	60.1	91	9	72.0	31	24	48.2	60	23.8	.....	1.65	9	11	10	6	.....
Soapstone Mount	59.4	91	9	73.1	32	24	45.6	59	27.5	.....	2.20	6	17	7	7	S. W.
Saxon	58.8	90	9	72.8	24	23	44.8	66	28.0	.....	3.06	6	14	10	11	S. W.
Southern Pines	62.7	92	29	77.5	34	16	47.9	58	29.6	.....	2.10	.....	.....	.....	3	S. W.
Salisbury	62.1	86	9	71.5	33	1	52.7	53	18.8	.....	2.03	.....	.....	.....	8	.....
Smithfield	63.6	92	9	75.7	39	18	51.4	53	24.3	.....	2.33	19	2	9	6	.....
Willeyton	61.6	90	29	74.4	34	24	48.9	56	25.5	.....	1.18	18	3	9	4	S.
Weldon	61.2	89	30	72.7	34	24	49.8	55	22.9	.....	0.96	11	15	4	9	S.
Wilmington	65.8	89	9	74.2	44	17	57.5	45	16.7	80.0	1.02	12	12	6	8	S. W.

STATE METEOROLOGICAL SUMMARY FOR APRIL, 1893.

Mean Barometer, 30.07 inches; normal for April, 30.02 Highest Barometer, 30.44 on the 6th, at Norfolk. Lowest Barometer, 29.36 on the 20th, at Lynchburg.

Mean temperature, 59.6 degrees; normal for April, 57.7. Highest temperature, 95 on the 9th, at Rockingham. Lowest temperature, 21 on the 24th, at Bakersville.

Average rain-fall, 2.78 inches; normal for April, 3.84 inches. Greatest monthly rain-fall, 7.08 inches, at Highlands. Least monthly rain-fall, 0.88 inches, at Littleton.

Average number of clear days, 13; partly cloudy, 9; cloudy, 8; rainy, 8.

Prevailing wind direction, south-west; average velocity, 10.4 miles per hour. Normal direction for April, south-west. Normal velocity, 8.8 miles per hour.

BULLETIN

OF THE

NORTH CAROLINA BOARD OF HEALTH.

Published Monthly at the Office of the Secretary of the Board, at Raleigh, N. C.

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J. A. Hodges, M. D.....Fayetteville.
S. Westray Battle, M. D.....Asheville.
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Prof. F. P. Venable.....Chapel Hill.
J. L. Ludlow, C. E.....Winston.
Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

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Local Boards of Health.

The proverb, "What is everybody's business is nobody's business," is as true in sanitation as in every other branch of human effort. Looked at from the standpoint of a man's duty to himself and to his neighbor, the observance of the laws of hygiene ought to be the particular business of every individual. But the obligation is not recognized, or, if it is, it is not met. And so it becomes necessary to provide some means to force the people, as far as possible, to perform their duty in this respect, as in so many others. This force to be effective must be handy and easily and promptly applied. In consequence, a local board of health whose special business it is to look after these matters is practically a necessity to effectual work in any community. In the hope of bringing about the establishment of such boards and the observance of approved methods by them, the Secretary has sent out the following letters, which may be of interest to our readers. They explain themselves. Copies of the ordinance, blanks, etc., will be gladly sent to any one interested enough to write for them:

North Carolina Board of Health,
Raleigh, June 9, 1893.

The Honorable Mayor and Board of.....

Gentlemen:—I send herewith a copy of the Act Relating to the Board of Health (Chap. 214, Laws of 1893), a model health ordinance, based chiefly on the admirable one issued by the Pennsylvania Board of Health, and various blanks, which explain themselves. I hope that you will adopt and enforce them, thereby materially advancing the cause of public health and *pari passu* the prosperity of your town. The ordinance may strike you as being rather voluminous, but a careful consideration of the same will, I think, show the reasonableness and importance of each section. Still, if deemed necessary, it can be modified to suit the particular conditions of your town, though I would be glad to have it adopted as it stands in order to secure a uniform system in every town in the State.

In cities and towns where people are more or less crowded together and the danger of contamination of air and drinking-water and the spread of communicable diseases from person to person is in consequence greatly increased, the practical ap-

plication of sanitary laws is especially important. The collection of vital statistics, particularly those relating to the cause of death, should be carefully looked to in order to ascertain those most prevalent, with a view to taking special precautions against them in the future. It is also of great importance from a material point of view. One of the first inquiries made by intending immigrants is in regard to the healthfulness of their contemplated destination, and that information would be sought for at this office. To give an opinion I must be assured of their *completeness* and *accuracy*. Those two essentials cannot be obtained unless the method recommended is faithfully carried out, viz.: The positive refusal to allow the body of any one dying in the town to be buried or removed without a permit from a designated official, based upon a properly filled out and signed death certificate giving the cause of death; or some other method equally as reliable. The healthfulness of our State is one of its greatest attractions, and the only way to demonstrate it to strangers in these days of scientific accuracy is by means of reliable vital statistics. In our present stage of sanitary development these statistics can only be obtained from our cities and towns, and I trust you will help your own immediate home and, at the same time, aid me in showing to the world our advantages in this most important item of health.

Any further assistance in my power would be most gladly rendered by,

Yours very respectfully,

RICHARD H. LEWIS, M. D., *Sec.*

The following letter was sent to every physician in the towns referred to:

NORTH CAROLINA BOARD OF HEALTH.

OFFICE OF THE SECRETARY.

RALEIGH, June 12, 1893.

MY DEAR DOCTOR:—The State Board of Health is very anxious to have established in as many of our cities and towns as possible Local Boards of Health for the twofold purpose of more effectively preventing disease and securing reliable vital statistics. To this end, I have prepared and sent to the Mayor of every town in the State of more than 500 inhabitants and to all county-seats of less population a model ordinance in which is set forth, in addition to numerous sections relating to health preservation, the machinery necessary to the formation and operation of Local Boards; also a sample death certificate, burial certificate, birth certificate and instructions with sample blanks for sanitary inspection, which you can see at the Mayor's office.

If you have no Local Board of Health will you not confer with your professional brethren and the municipal authorities and make an earnest effort to have one established at once?

If you already have one will you not compare the methods in use with those suggested that the best may be employed? If those suggested, particularly those relating to the collection of vital statistics, more especially the death-rate, are considered equally as good as those already in use, and it be agreeable to the authorities, I would be very glad to have the former substituted for the latter in order to the establishment of a uniform system throughout the State.

It is superfluous, if not insulting, in this day to argue to any well-informed physician the value and importance of sanitary regulations properly enforced, and the value of reliable vital statistics, from both a scientific and a material point of view. So I assume that you are interested in the subject and hope you will lend a hand in advancing the good work.

Very truly yours,

RICHARD H. LEWIS, M. D.,

Secretary.

Summary of Reports from County Superintendents for May, 1893.

(58 COUNTIES REPORTING).

ALAMANCE—Dr. Geo. W. Long, Graham. Dysentery prevails to a limited extent. The public buildings are in good sanitary condition, except the jail.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Dysentery has prevailed in different parts of the county. There has been an epidemic of cholera among hogs and chickens. The sanitary condition of the public buildings is very good.

ALLEGHANY—No Board of Health.

ANSON—Dr. E. S. Ashe, Wadesboro. Dysentery and other intestinal troubles have prevailed in some parts of the county, also some malarial fever. A few cases of typhoid fever reported. The sanitary condition of the jail and County Home is good.

ASHE—No Board of Health.

BEAUFORT—Dr. S. T. Nicholson, Washington. No report.

BERTIE—No Board of Health.

BLADEN—Dr. N. Robinson, Elizabethtown. No report.

BRUNSWICK—No Board of Health.

BUNCOMBE—Dr. Chas. E. Hilliard, Asheville. Dysentery and diarrhœa have prevailed in some parts of the county. The public buildings are all clean.

BURKE—Dr. J. L. Laxton, Morganton. One case of typhoid fever, two of pneumonia and two of tonsillitis have been reported. Dysentery and bowel troubles have prevailed in some parts of the county. No improvement in the condition of the public buildings.

CABARRUS—No Board of Health.

CALDWELL—Dr. A. A. Kent, Lenoir. Three cases of pneumonia, a few of cholera morbus, and a few of grippe. A few cases of pneumonia among horses.

CARTERET—Dr. M. F. Arendell, Morehead City. Two cases of measles and three of whooping-cough reported. The public buildings old, but safe and comfortable. [The Secretary regrets to record that since the receipt of this report Dr. Arendell has died.]

CASWELL—Dr. R. H. Williamson, Yanceyville. No report.

CATAWBA—Dr. George H. West, Newton. Four cases of typhoid fever reported. Dysentery has prevailed in the central and western portions of the county. The public buildings are in good sanitary condition.

CHATHAM—Dr. W. E. Headen, Pittsboro. Whooping-cough and dysentery have prevailed. There has been an epidemic of cholera among chickens. The sanitary condition of the public buildings continues good.

CHEROKEE—Dr. J. F. Abernathy, Murphy. No diseases reported. There was a dog, supposed to be rabid, at large in the town, which bit several other dogs and other animals, but the town authorities soon dispatched and confined all suspicious animals. No new cases. The public buildings are in good condition.

CHOWAN—No Board of Health.

CLAY—No Board of Health.

CLEVELAND—Dr. O. P. Gardner, Shelby. Whooping-cough and grip have prevailed. Health of county never better. The sewerage at the jail has been very much improved. The court-house needs repairing very badly.

COLUMBUS—Dr. I. Jackson, Whiteville. Five cases typhoid fever and a few of whooping-cough reported. There has been some hog cholera. The sanitary condition of the public buildings is good. Scarlatina and malarial fever reported by Dr. John McGougan, of Hub.

CRAVEN—Dr. Leinster Duffy, Newbern. Whooping-cough, malarial fevers and bowel troubles have prevailed to some extent. The sanitary condition of the public buildings is good.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. Malarial fevers, bowel troubles and

whooping-cough have occurred. The sanitary condition of the public buildings is tolerably good. We are to have a new court-house soon, which is much needed.

CURRITUCK—No Board of Health.

DARE—No Board of Health.

DAVIE—No Board of Health.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. No disease reported. The sanitary condition of the public buildings is good.

DUPLIN—Dr. J. W. Blount, Kenansville. There is a considerable amount of diarrhœa and dysentery, with a few cases of miasmatic fever. The sanitary condition of the public buildings is reasonably good, well ventilated and kept clean.

DURHAM—Dr. N. M. Johnson, Durham. Five cases of scarlet fever reported. One death from diphtheria. The sanitary condition of the public buildings is very good.

EDGECOMBE—Dr. Donald Williams, Tarboro. Scarlet fever (seven cases reported) prevailed four miles from Tarboro. There have been a few cases of dysentery and one of diphtheria. The sanitary condition of the public buildings is very good.

FORSYTH—Dr. D. N. Dalton, Winston. No report.

FRANKLIN—Dr. E. S. Foster, Louisburg. No sickness of importance reported. An occasional case of rötheln is reported, but that has nearly all disappeared. There were a large number of cases during its prevalence, but not one gave any special trouble. The sanitary condition of the public buildings is very good.

GASTON—Dr. J. H. Jenkins, Dallas. Very little sickness. A few cases of dysentery and catarrhal fever and one of intermittent fever. The sanitary condition of the public buildings is very good.

GATES—No Board of Health.

GRAHAM—No Board of Health.

GRANVILLE—Dr. Patrick Booth, Oxford. No special disease reported. The sanitary condition of the public buildings is as good as they will admit of. The Home is rather crowded, and needs better room for the sick.

GREENE—Dr. E. S. Sugg, Snow Hill. Dysentery and some malarial fever have prevailed. The sanitary condition of the public buildings is good.

GUILFORD—Dr. E. R. Michaux, Greensboro. Considerable sickness in town and country during the month. Quite a number of cases of dysentery and diarrhœa and some malarial fever. The dysentery has been of septic and malarial varieties. Comparatively few deaths, however. The sanitary condition of the public buildings good indeed, except the jail, which is bad enough. There should be some means by which this condition of things might be remedied. No efforts are being made at improvement.

HALIFAX—Dr. I. E. Green, Weldon. Mumps has prevailed in northern parts of county. The public buildings are in good sanitary condition.

HARNETT—No Board of Health.

HAYWOOD—Dr. J. Howell Way, Waynesville. Remarkably little sickness.

HENDERSON—Dr. J. L. Egerton, Hendersonville. No diseases reported. The sanitary condition of the county never better.

HERTFORD—No Board of Health.

HYDE—No Beard of Health.

IREDELL—Dr. W. J. Hill, Statesville. Two cases of typhoid fever reported. Some cases of diarrhœa and dysentery, among children especially. The sanitary condition of the public buildings is good as usual.

JACKSON—No Board of Health.

JOHNSTON—Dr. R. J. Noble, Smithfield. Diarrhœa and dysentery have prevailed in the central part of the county. Dr. F. H. Seawell, of Archie Lodge, reports one case of scarlet fever, and also quite an epidemic of hydrophobia among dogs, and remarks as follows: "The sanitary precautions here, as in all rural districts, are very lax. Our magistrates should be made to have killed

the dogs that have been bitten by others known to have hydrophobia."

JONES—No Board of Health.

LENOIR—Dr. C. B. Woodley, Kinston. No special diseases prevailing. The jail has been somewhat improved, and is now in fair sanitary condition.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Three cases of measles. Nothing more to report. The public buildings are well kept and healthy.

MACON—Dr. S. H. Lyle, Franklin. No diseases reported. The County Commissioners have determined to build a County Home.

MADISON—No Board of Health.

MARTIN—Dr. W. H. Harrell, Williamston. Mild dysentery and diarrhœa have prevailed. The sanitary condition of the public buildings is good. They are well kept. The Home is a credit to the county.

MCDOWELL—Dr. B. A. Check, Marion. One case of typhoid fever reported. Catarrhal troubles have prevailed. The jail is kept in as good condition as it can be, considering its construction. The Home is carefully kept.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Dysentery, mumps, cholera infantum and entero-colitis have prevailed. The jail (or guard-house), stockade and County Home are in splendid condition. The County Commissioners have secured a new tent for the stockade during the month and the superintendent of the same has greatly improved the quarters. An effort is now being made to secure a hospital tent for the use of the convicts.

MITCHELL—Dr. C. E. Smith, Bakersville. No report.

MONTGOMERY—No report.

MOORE—Dr. Gilbert McLeod, Carthage. Whooping-cough has prevailed in the Aberdeen and Jonesboro sections of the county. Less sickness than usual—a few cases of dysentery and intestinal troubles among children, but they are not severe. The public buildings are in very good sanitary condition.

NASH—Dr. J. J. Mann, Nashville. Dysentery prevails in all parts of the county. The sanitary condition of the public buildings is very good.

NEW HANOVER—Dr. F. W. Potter, we regret to state, has died. Dr. J. C. Shepherd, of Wilmington, has been elected Superintendent of Health. Sixteen cases of measles, one of whooping-cough, and three of typhoid fever reported. Mild malarial fever, diarrhœa and dysentery prevail. The public buildings are in fine sanitary condition, except the jail, which might be better, though it is pretty fair.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. Very little sickness. The sanitary condition of the public buildings is good.

ONSLOW—Dr. E. L. Cox, Jacksonville. Two cases of typhoid fever and one of hemorrhagic malarial fever reported. Dysentery and low forms of malarial fever have prevailed. It is hoped that we will some day have better dwellings and a more suitable location for the county's aged and infirm.

ORANGE—Dr. D. C. Parris, Hillsboro. No special disease to report. The sanitary condition of the public buildings is good, save that of jail.

PAMLICO—No Board of Health.

PASQUOTANK—No Board of Health.

PENDER—Dr. W. C. Murphy, Burgaw. Two cases of typhoid fever reported. Dysentery of mild form has prevailed, and cholera among chickens. The sewerage at the jail is defective.

PERQUIMANS—No Board of Health.

PERSON—No Board of Health.

PITT—Dr. B. T. Cox, Redallia. Pneumonia, diarrhœa, dysentery and intermittent fever have occurred. There is some hog cholera. The sanitary condition of the public buildings is very good.

POLK—No Board of Health.

RANDOLPH—Dr. J. M. Boyette, Ashboro.

Two cases of typhoid fever reported. Mumps has prevailed to some extent, but is still endemic. A few cases of pneumonia and plurisy reported. The sanitary condition of the public buildings is good.

RICHMOND—Dr. J. M. Stansill, Rockingham. Two cases of typhoid fever and a great many of dysentery reported. The jail has been too crowded and is not in good condition on account of it. There is an improvement at the Home.

ROBESON—Dr. R. F. Lewis, Lumberton. Whooping-cough reported. Bowel affections have prevailed. A new County Home is to be built during the summer. An addition to the jail is suggested. The court-house is in good condition.

ROCKINGHAM—No Board of Health.

ROWAN—Dr. J. J. Summerell, Salisbury. One case of typhoid fever reported. The public buildings are in good sanitary condition. The jail has been enclosed by a suitable wooden fence. The court-house is still without a fence. It is hoped that when it does come it will be a proper iron fence, which has been so long urged by the Superintendent of Health.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. No diseases reported. The sanitary condition of the public buildings is fair. The Home is in the country, with pure air and spring water in abundance.

SAMPSON—Dr. J. A. Stevens, Clinton. Not much sickness. Some diarrhœa and dysentery and a few cases of malarial fever. The Home is well kept and in good condition. The new jail is not yet completed, but will be in another month.

STANLY—Dr. A. C. Boyles, New London. No report.

STOKES—Dr. J. W. Neal, Meadows. Eighteen cases of whooping-cough and two of typhoid fever reported. The sanitary condition of the public buildings is good.

SURRY—No Board of Health.

SWAIN—Dr. R. L. Davis, Bryson City. Only a few cases of diarrhœa among children and two of dysentery. The sanitary condition of the public buildings is only moderately good.

TRANSYLVANIA—No Board of Health.

TYRRELL—Dr. Ab. Alexander, Columbia. Little sickness. Two cases typhoid fever reported. Sanitary condition of public buildings is good.

UNION—Dr. J. H. Blair, Monroe. Typhoid fever has prevailed in the eastern part of the county. The sanitary condition of the public buildings is good.

VANCE—Dr. W. T. Cheatham, Henderson. No diseases reported. The sanitary condition of the public buildings is good.

WAKE—Dr. James McKee, Raleigh. Two cases of measles and one of diphtheria reported. One death from typhoid fever. The sanitary condition of the public buildings is good.

WARREN—Dr. P. J. Macon, Warrenton. A few cases of measles reported. Colliquative diarrhœa and dysentery have prevailed. The sanitary condition of the public buildings is good. The County Commissioners, at my request, have ordered satisfactory apartments built for the insane, as it seems impossible to get them into the Asylums. We have six now in the Home.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. No sickness of any kind has been reported, except common colds, and any amount of births. Two people have died in the county, but they were very old. The public building are in first-class order.

WAYNE—Dr. John Spicer, Goldsboro. Malarial fever, diphtheria and pneumonia reported. Dysentery has prevailed. There has been an epidemic of hog cholera. The sanitary condition of the public buildings is good.

WILKES—No Board of Health.

WILSON—Dr. Albert Anderson, Wilson. Measles (twelve cases), one case of typhoid fever and one of pernicious malarial fever reported. Dysentery has prevailed. The

sanitary condition of the public buildings is good, except the jail, which is overcrowded.

YADKIN—Dr. T. R. Harding, Yadkinville. No report.

YANCEY—Dr. J. L. Ray, Burnsville. No report.

Review of Diseases for May, 1893.

CATARRHAL DISEASES—From Gaston and McDowell.

CHOLERA INFANTUM—From Mecklenburg.

CHOLERA MORBUS—From Caldwell.

CHOLERA, IN CHICKENS—From Alexander, Chatham and Pender.

CHOLERA, IN HOGS—From Alexander, Columbus, Pitt and Wayne.

DIPHTHERIA—From Edgecombe, Wake and Wayne.

DYSENTERY—From Alamance, Alexander, Anson, Buncombe, Chatham, Duplin, Edgecombe, Gaston, Greene, Guilford, Iredell, Johnston, Martin, Mecklenburg, Moore, Nash, New Hanover, Onslow, Pender, Pitt, Richmond, Sampson, Swain, Warren, Wayne and Wilson—26 counties.

OTHER INTESTINAL DISORDERS—From Buncombe, Cumberland, Duplin, Guilford, Iredell, Johnston, Martin, Mecklenburg, Pitt, Robeson, Sampson, Swain and Warren.

HYDROPHOBIA, IN DOGS—From Cherokee and Johnston.

INFLUENZA—From Caldwell.

MALARIAL FEVER—From Anson, Columbus, Craven, Duplin, Greene, Guilford, New Hanover, Onslow, Pitt, Sampson and Wayne.

MALARIAL FEVER, HEMORRHAGIC—From Onslow.

MALARIAL FEVER, PERNICIOUS—From Wilson.

MEASLES—From Carteret, Lincoln, Warren and Wilson.

MUMPS—From Halifax, Mecklenburg and Randolph.

PNEUMONIA—From Burke, Caldwell, Randolph, Pitt and Wayne.

SCARLET FEVER—From Durham, Edgecombe, Johnston and Columbus.

TONSILLITIS—From Burke.

TYPHOID FEVER—From Catawba, Iredell, McDowell, New Hanover, Onslow, Pender, Randolph, Richmond, Rowan, Stokes, Tyrrell, Union, Wake and Wilson—14 counties.

WHOOPING-COUGH—From Carteret, Craven, Cumberland, Moore, New Hanover, Robeson and Stokes.

Summary of Mortuary Reports for May, 1893.

(TWENTY-SEVEN TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	80,548	56,335	137,883
Aggregate deaths	81	102	183
Representing annual death-rate per 1,000	12.1	21.9	16.1
Causes of death.			
Typhoid Fever	1	2	3
Scarlet Fever	1	0	1
Malarial Fever	3	4	7
Diphtheria	2	0	2
Whooping-cough	0	2	2
Measles	0	2	2
Pneumonia	7	6	13
Consumption	4	12	16
Brain diseases	3	5	8
Heart diseases	6	7	13
Neurotic diseases	2	3	5
Diarrhœal diseases	16	18	34
All other diseases	33	39	72
Accident	3	1	4
Suicide	0	1	1
	81	102	183
Deaths under 5 years	8	11	19
Still-born	39	29	68

Condition of Jails and County Homes by Counties for May, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	9 (*a*)	600			30	600		
Alexander	1				10		1	2
Ashe								
Alleghany								
Anson	7			6	12			4
Beaufort								
Bertie								
Bladen								
Brunswick								
Buncombe	43 (*b*)				23			
Burke	6	500	2	3	11	600	1	4
Cabarrus								
Caldwell	4	*	0	4	8	*	3	3
Camden								
Carteret	2	*	1	1	0			
Caswell								
Catawba	5		1	4	27		15	20
Chatham	3				28			
Cherokee	4				2			
Chowan								
Clay								
Cleveland	9	*		8	22	1000		6
Columbus	6	*		5	15	*		1
Craven	15	800	3	6	16	*	14	1
Cumberland	9				15			
Currituck								
Dare								
Davidson	5	*	0	0	24	721	0	2
Davie								
Duplin	1				9			
Durham	30 (*c*)	1000		8	17	1000		4
Edgecombe	13	*	4	2	27	*	3	4
Forsyth								

(*a*) Includes 4 in House of Correction. (*b*) Includes 8 in House of Correction. (*c*) Includes 20 in House of Correction. * Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	9	.....	.....	.....	18	.....	.....	.....
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	.....	.....	.....	.....	.....	.....	.....	.....
Graham	.....	.....	.....	.....	.....	.....	.....	.....
Granville	11 (*a*)	*	3	2	29	(*b*)	11	9
Greene	1	500	.....	.....	9	1000	.....	1
Guilford	18	680	.....	.....	37	*	.....	.....
Halifax	7	1000	3	4	51	700	15	6
Harnett	.....	.....	.....	.....	.....	.....	.....	.....
Haywood	5	.....	.....	.....	8	.....	.....	.....
Henderson	7	.....	.....	.....	1	.....	.....	.....
Hertford	.....	.....	.....	.....	.....	.....	.....	.....
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	5	.....	.....	.....	22	.....	.....	.....
Jackson	.....	.....	.....	.....	.....	.....	.....	.....
Johnston	7	1000	0	1	11	*	0	0
Jones	.....	.....	.....	.....	.....	.....	.....	.....
Lenoir	3	*	0	2	0	.....	.....	.....
Lincoln	5	*	1	1	22	400	0	5
McDowell	6	.....	0	1	11	.....	0	1
Macon	2	*	0	2	0	.....	.....	.....
Madison	.....	.....	.....	.....	.....	.....	.....	.....
Martin	8	750	3	3	14	750	5	5
Mecklenburg	94 (*c*)	.....	0	.....	63	*	0	.....
Mitchell	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	.....	.....	.....	.....	.....	.....	.....	.....
Moore	11	880	0	5	8	1060	2	5
Nash	1	1000	.....	1	30	1000	6	7
New Hanover	32 (*d*)	670	18	12	16	*	10	12
Northampton	4	800	2	3	30	1000	12	10
Onslow	0	.....	.....	.....	4	*	1	1
Orange	5	1000	1	2	15	*	8	6
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

(*a*) Includes 8 in House of Correction. (*b*) Rather crowded. (*c*) Includes 76 in House of Correction. (*d*) Includes 12 in House of Correction. * Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—Continued.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender	1		0	1	3		0	0
Perquimans								
Person								
Pitt					15			
Polk								
Randolph	3				27			
Richmond	29		6	7	13		2	2
Robeson	7	1000			7	1000		
Rockingham								
Rowan	5	*	0	3	25	*	2	2
Rutherford	5	*			24	800		
Sampson					20			
Stanly								
Stokes	2				16			
Surry								
Swain								
Transylvania								
Tyrrell	0				0			
Union	5	*			28	700		5
Vance	4	*		2	18	*	1	2
Wake	76 (*a*)	*			61	*		
Warren	3	*			19	*		3
Washington								
Watauga	2	500	0	0	6	*	0	0
Wayne	7	952	0	0	9	*	0	0
Wilkes								
Wilson	10	*	4	3	24	*	3	2
Yadkin								
Yancey								

(*a*) Includes 65 in House of Correction. * Space exceeds 1,000 cubic feet.

Mortuary Report for May, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	7,500	10,500	9.6	10.3	...	...	...	...	...	...	1	...	...	1	...	...	4	...	...	6	9	--	1
Dr. C. E. Hilliard	Colored.	3,000		12.0		...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	3		...	2
Charlotte	White.	8,000	14,000	21.0	18.1	...	...	...	...	...	...	2	...	...	...	1	5	5	1	...	14	22	13	1
Fred. Nash, Esq.	Colored.	6,000		16.0		...	...	...	...	...	...	1	2	3	...	1	1	...	..	...	8		4	1
Durham	White.	4,500	8,000	10.7	10.5	...	1	...	1	..	...	...	...	...	1	...	1	...	...	...	4	7	3	...
Dr. N. M. Johnson.	Colored.	3,500		10.3		...	...	...	...	...	...	...	1	...	...	...	2	...	...	...	3		...	...
Fayetteville	White.	2,800	5,000	4.3	7.2	...	...	...	...	..	...	...	...	...	...	...	..	1	...	...	1	3	...	...
Dr. J. H. Marsh.	Colored.	2,200		10.9		...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	2		1	...
Goldsboro	White.	2,800	5,000	12.8	21.6	.	...	...	1	...	...	1	...	...	...	...	1	...	...	...	3	9	2	1
May. D. J. Broadhurst	Colored.	2,200		32.7		...	...	2	...	...	...	1	...	...	...	...	3	...	...	...	6		2	1
Greensboro	White.	4,000	6,000	9.0	8.0	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	3	4	2	...
Dr. E R. Michaux.	Colored.	2,000		6.0		...	...	...	...	...	...	...	...	...	...	...	...	1	..	...	1		...	...
Henderson	White.	2,250	4,250	10.7	8.5	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	3	...	...
Dr. W. T. Cheatham.	Colored.	2,000		6.		..	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Hillsboro	White.	600	1,000	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. D. C. Parris.	Colored.	400		0.0		..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Lexington	White.	1,500	1,800	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	..	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Marion	White.	650	800	0.0	0.0	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. B. A. Cheek.	Colored.	150		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Monroe	White.	1,500	2,000	8.0	24.0	...	..	...	...	...	...	...	...	...	...	...	...	1	...	...	1	4	...	...
Dr. W. D. Pemberton.	Colored.	500		72.0		...	...	...	...	...	1	...	...	...	...	...	1	1	...	...	3		1	2
Morehead City	White.	1,348	1,579	8.9	15.2	...	...	...	...	..	...	...	...	...	1	...	...	...	..	...	1	2	...	...
Mayor T. C. Davis.	Colored.	231		51.9		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1		...	...
Oxford	White.	1,700	3,300	0.0	3.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. Patrick Booth.	Colored.	1,600		7.5		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1		...	1
Raleigh	White.	8,000	15,000	13.5	16.1	...	...	...	...	...	...	1	2	...	1	...	...	5	...	...	9	13	5	3
Dr. James McKee.	Colored.	7,000		22.3		1	...	...	...	...	...	...	1	...	..	...	2	9	...	...	13		4	2
Rockingham	White.	1,200	1,700	20.0	14.1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	2	...	...
Dr. J. M. Stansill.	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		2	...
Rocky Mount	White.	800	1,200	15.0	20.0	1	...	..	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...
Dr. G. L. Wimberley.	Colored.	400		30.0		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Salem	White.	3,942	4,284	3.0	11.2	...	...	...	...	...	..	...	...	1	...	...	...	...	...	...	1	4	...	...
Mayor T. B. Douthit.	Colored.	342		105.3		...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	3		...	...
Salisbury	White.	3,000	5,000	8.0	7.5	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2	3	...	...
Dr. J. J. Summerell.	Colored.	2,000		6.		...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1		...	...
Scotland Neck	White.	700	1,100	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Mayor J. A. Perry.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Southport	White.	750	1,200	32.0	40.0	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2	4	2	...
E. H. Cranmer, Jr.	Colored.	450		53.3		...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2		...	...
Statesville	White.	2,500	3,500	24.0	17.1	...	...	...	...	...	...	1	...	...	...	...	...	2	2	...	5	5	...	...
Dr. W. J. Hill	Colored.	1,000		0.0		...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Tarboro	White.	1,258	2,370	28.6	20.2	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	3	4	...	...
Dr. Donald Williams.	Colored.	1,112		10.8		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		...	...
Warrenton	White.	750	1,300	16.0	9.2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. P. J. Macon.	Colored.	550		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Weldon	White.	700	1,500	34.3	24.0	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	3	1	2
Mayor J. T. Gooch.	Colored.	800		15.0		...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1		...	2
Wilmington	White.	10,000	22,000	10.8	23.4	..	...	2	...	...	...	...	1	...	...	1	1	4	...	...	9	43	2	...
Dr. J. C. Shepherd.	Colored.	12,000		34.0		...	...	1	...	1	1	1	3	2	4	2	6	12	1	...	34		16	...
Wilson	White.	2,000	3,500	18.0	24.0	...	...	1	...	...	...	...	...	...	...	...	2	...	...	...	3	7	2	...
Dr. Albert Anderson.	Colored.	1,500		32.0		...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	4		1	...
Winston	White.	5,800	10,000	12.4	22.8	...	...	...	...	...	...	1	...	...	...	...	3	2	...	...	6	19	5	...
Dr. R. F. Gray.	Colored	4,200		37.1		1	...	...	...	...	..	2	2	...	2	...	...	6	...	...	13		...	...

Meteorological Summary for North Carolina, May, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	60.3	87	22	73.1	39	17	47.5	48	25.6	63.7	3.80	15	10	6	9	N.
Bakersville	59.2	88	23	73.4	33	19	44.9	55	28.5	.....	5.59	14	5	12	8	.....
Blowing Rock	54.8	78	23	66.2	32	11	43.4	46	22.8	.....	3.57	13	9	9	5	N. W.
Charlotte	66.6	90	22	77.3	44	4	56.6	46	20.7	64.0	4.23	14	6	11	10	S. W.
Chapel Hill	67.4	96	22	80.3	44	3	54.6	52	25.7	.....	4.04	.....	.....	.....	12	W.
Horse Cove	60.8	85	26	71.1	39	4	50.4	46	20.7	.....	4.42	14	11	6	10	S. W.
Littleton	63.4	92	27	74.2	41	7	52.7	51	21.5	.....	3.87	16	5	10	10	S. W.
Lenoir	63.6	84	22	71.6	47	19	56.6	37	15.0	.....	5.90	17	7	7	9	W.
Louisburg	64.6	86	23	74.4	45	7	54.8	41	19.6	72.3	5.58	8	18	5	11	S. W.
Mt. Airy	62.4	88	22	74.6	39	19	50.2	49	24.4	.....	5.05	10	12	9	10	S. W.
Mt. Pleasant	65.6	91	22	77.6	42	19	53.6	49	24.0	.....	4.31	11	9	11	9	S. W.
Morganton	64.3	88	21	73.5	43	11	54.5	45	19.0	.....	4.95	.....	.....	.....	8	.....
Newbern	64.6	84	22	73.0	42	9	56.2	42	16.8	.....	4.67	.....	.....	.....	9	.....
Oak Ridge	64.4	90	22	75.5	43	11	53.3	47	22.2	72.8	7.35	11	7	13	11	W.
Pittsboro	63.6	88	27	74.8	40	19	52.5	48	22.3	.....	3.05	8	13	10	9	N. E.
Raleigh	66.1	90	22	76.6	45	8	55.6	45	21.0	74.1	5.80	13	9	9	13	S.
Rockingham	70.0	100	22	81.6	41	17	55.4	59	29.2	.....	4.70	.....	.....	.....	9	.....
Roxboro	65.6	91	26	76.9	43	8	54.4	48	22.5	.....	6.69	12	8	11	8	.....
Soapstone Mount	64.4	91	26	78.1	39	19	50.6	52	27.5	.....	4.43	9	10	12	12	S. W.
Saxon	62.2	93	22	77.6	35	18	46.7	58	30.9	.....	7.72	10	14	7	12	S. W.
Southern Pines	65.4	96	23	80.1	41	8	50.8	55	29.3	.....	3.80	.....	.....	.....	5	S. W.
Salisbury	68.4	89	22	76.3	51	11	60.6	38	15.7	.....	4.72	.....	.....	.....	11	.....
Tarboro	67.8	95	22	80.6	42	8	55.1	53	25.5	.....	2.86	.....	.....	.....	6	.....
Willeyton	66.2	92	27	77.8	39	8	54.5	53	23.3	.....	4.32	8	18	5	8	S.
Weldon	66.6	91	22	77.9	41	8	55.3	50	22.6	.....	3.21	17	8	6	11	S.
Wilmington	69.0	87	28	77.0	50	8	61.0	37	16.0	79.0	5.01	12	14	5	8	S. W.

STATE METEOROLOGICAL SUMMARY FOR MAY, 1893.

Mean Barometer, 29.96 inches; normal, 30.01 Highest Barometer, 30.41 on the 10th, at Lynchburg, Va. Lowest Barometer, 29.44 on the 3d, at Norfolk, Va.

Mean temperature, 64.9 degrees; normal for May, 66.9. Highest temperature, 100 on the 22d, at Rockingham. Lowest temperature, 32 on the 11th, at Blowing Rock.

Average rain-fall, 6.48 inches: normal for May, 4.20 inches. Greatest monthly rain-fall, 9.75 inches, at Lewiston. Least monthly rain-fall 2.86 inches at Tarboro.

Average number of clear days, 13; partly cloudy, 10; cloudy, 8; rainy, 10.

Prevailing wind direction, south-west: average velocity, 8.7 miles per hour. Normal direction for May, south-west. Normal velocity, 7.8 miles per hour.

BULLETIN

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Typhoid Fever.

The presence of typhoid fever in twenty-three counties reporting for June and private advices since the 1st inst. as to its outbreak in two others, and the further fact that in at least one instance it has proven unusually malignant, suggest the advisability of calling the attention of all physicians as well as of all other readers in this State to section 21 of the Act Relating to the Board of Health. It reads as follows:

"Sec. 21. Any householder in whose family there is to his knowledge a person sick of cholera or typhoid fever, who shall permit the bowel discharges of such sick person to be emptied without first having disinfected them according to the instructions to be obtained from the attending physician or the county superintendent of health shall be guilty of a misdemeanor, and upon conviction shall be fined not less than two nor more than twenty-five dollars, or imprisoned not less than ten nor more than thirty days. And in cases where such undisinfected discharges are emptied on the water-shed of any stream or pond furnishing the source of water-supply of any public institution, city or town the penalty shall be a fine of not less than twenty-five nor more than fifty dollars, or imprisonment for not more than thirty days. And any physician attending a case of cholera or typhoid fever who refuses or neglects to give the proper instructions for such disinfection as soon as the diagnosis is made shall be deemed guilty of a misdemeanor, and upon conviction shall be fined not less than ten nor more than fifty dollars."

The meaning of this section of the law is so plain that "he who runs may read."

The very great importance of its conscientious observance by all householders and physicians is self-evident to any one who at all keeps up with the times in sanitary matters. Its reasonableness cannot be disputed, for the directions for properly disinfecting these discharges are plainly given in the Instructions for Quarantine and Disinfection prepared by the Secretary in obedience to section 9 of the act and sent to every registered physician in the State except those in three counties whose names could not be obtained. The disinfectants recommended are cheap and handy and can be thoroughly used with very little trouble.

It is to be noted that not only physicians who refuse (it is difficult to imagine a physician worthy of the name refusing upon

request to give advice that will prevent the spread of a dangerous disease) but those also who *neglect* to give the proper instructions for such disinfection are guilty of a misdemeanor and subject to fine. Sanitary sins are generally sins of omission and unfortunately like such sins in other directions are extremely common. It is earnestly hoped that all physicians will show themselves no less law-abiding than other good citizens, and will do their full duty to their neighbors as their State demands of them. By so doing they would be the means of saving many lives directly and would at the same time do more to educate the people in the principles of enlightened sanitation than any other influence that could be brought to bear on them.

Summary of Reports from County Superintendents for June, 1893.

(62 COUNTIES REPORTING).

ALAMANCE—Dr. Geo. W. Long, Graham. Good sanitary condition prevails in the public buildings and county, except in the old jail and some of our towns where there is great room for improvement. Very little sickness as yet.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Eight cases of typhoid fever reported, no deaths. There has been an epidemic of cholera among hogs. The sanitary condition of the public buildings is good.

ALLEGHANY—No Board of Health.

ANSON—Dr. E. S. Ashe, Wadesboro. Malarial fever has prevailed in all sections. The public buildings are in good sanitary condition.

ASHE—No Board of Health.

BEAUFORT—Dr. Wm. A. Blount, Washington. Two cases of typhoid fever. No reports are made to the Superintendent of Health by any physician in the county. The Home is in good condition. The jail is an old one built without regard to sanitary laws, but we are building a new one with all the modern improvements.

BERTIE—No Board of Health.

BLADEN—Dr. N. Robinson, Elizabethtown. No report.

BRUNSWICK—No Board of Health.

BUNCOMBE—Dr. Chas. E. Hilliard, Asheville. Diarrhœa and dysentery have prevailed in some sections. The sanitary condition of the county and public buildings is very good.

BURKE—Dr. J. L. Laxton, Morganton. Less sickness than usual, three cases of typhoid fever reported from one township. There have been a few cases of diarrhœa and cholera morbus. The public buildings are still unimproved.

CABARRUS—No Board of Health.

CALDWELL—Dr. A. A. Kent, Lenoir. Less sickness than usual. The prisoners in the jail are too much crowded and the ventilation is not sufficient for warm weather.

CAMDEN—No Board of Health.

CARTERET—No successor to Dr. Arendell has yet been elected.

CASWELL—Dr. W. O. Spencer, Yanceyville. Some cholera infantum and dysentery reported. The wells at the Home and court-house should be cleaned out and water-closets built at once.

CATAWBA—Dr. Geo. H. West, Newton. Three cases of typhoid fever reported. Dysentery and diarrhœa have prevailed in the central and western parts of the county. The health of the county was never better. The sanitary condition of the public buildings is very good.

CHATHAM—Dr. W. E. Headen, Pittsboro. Some whooping-cough and gastro-enteric troubles and two cases of malarial fever reported. The sanitary condition of the public buildings is very good.

CHEROKEE—Dr. J. F. Abernathy, Murphy. Murphy has undergone a general renovation and she presents a clean and inviting appearance. No prevalent diseases

in town or county. The public buildings are in fine condition. Health of county never better.

CHOWAN—No Board of Health.

CLAY—No Board of Health.

CLEVELAND—Dr. O. P. Gardner, Shelby. Several cases of whooping-cough. The sanitary condition of the county and public buildings is good.

COLUMBUS—Dr. I. Jackson, Whiteville. Typhoid fever has prevailed in some sections; diarrhœa also, but of a mild type. There has been an epidemic of hog cholera in some parts. The sanitary condition of the public buildings is good. Dr. J. M. McGougan, of Hub, reports twelve cases of whooping-cough, three of scarlatina, twenty-seven of malarial fever, five of hemorrhagic malarial fever and twenty-three cases of typhoid fever. "Enteric fever has prevailed here for two months. I have been treating it for thirty-eight years, but this is the worst form of it I have ever seen."

CRAVEN—Dr. Leinster Duffy, Newbern. Malarial fever and bowel troubles have prevailed to some extent. Typhoid fever of malignant type reported from Core Creek. Out of sixteen cases I understand ten or eleven died. The sanitary condition of the public buildings is good.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. No remarks as to diseases. The sanitary condition of the county and public buildings is tolerably good.

CURRITUCK—No Board of Health.

DARE—No Board of Health.

DAVIE—No Board of Health.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. Dysentery and diarrhœa have prevailed in all parts of the county. The sanitary condition of the public buildings is fairly good.

DUPLIN—Dr. Jas. W. Blount, Kenansville. Diarrhœa and dysentery have prevailed to a considerable extent. Hog cholera has been very destructive in some sections. The sanitary condition of the public buildings is reasonably good.

DURHAM—Dr. N. M. Johnson, Durham. No epidemic. Health of county very good. The sanitary condition of the public buildings is good.

EDGECOMBE—Dr. Donald Williams, Tarboro. Health of county very good, with a few cases of typho-malarial fever reported. Sanitary condition of public buildings very good.

FORSYTH—Dr. D. N. Dalton, Winston. Nothing said as to diseases. Sanitary condition of the county and public buildings is good. Have just finished thoroughly renovating the jail from top to bottom; hot water, bi-chloride and lime were used in abundance.

FRANKLIN—Dr. E. S. Foster, Louisburg. Two cases of typhoid fever reported, nothing more. Sanitary condition of the county and public buildings is very good.

GASTON—Dr. J. H. Jenkins, Dallas. Whooping-cough (five cases) and catarrhal fever have prevailed in some parts of the county. Its sanitary condition is better than at last report; lime is being used. The public buildings are in very good condition.

GATES—No Board of Health.

GRAHAM—No Board of Health.

GRANVILLE—Dr. Patrick Booth, Oxford. A few cases of whooping-cough and one of typhoid fever reported. The sanitary condition of the public buildings is fairly good.

GREENE—Dr. E. H. Sugg, Snow Hill. Malarial fever and a few cases of dysentery reported. The sanitary condition of the county is tolerably good and of the public buildings good.

GUILFORD—Dr. E. R. Michaux, Greensboro. The health of the town and county during the first of the month was not very good; we had considerable dysentery and malarial fever. The latter part of the month there was comparatively little sickness. The sanitary condition of the public

buildings is very good, except the jail, which is no better.

HALIFAX—Dr. I. E. Green, Weldon. Dysentery and other bowel troubles have prevailed in some sections. The sanitary condition of the public buildings is satisfactory.

HARNETT—No Board of Health.

HAYWOOD—Dr. J. Howell Way, Waynesville. Diarrhœal diseases, mild in type, have prevailed in all sections. A few cases of "mountain fever." Our people improve all the time in efforts at sanitation. The condition of the public buildings is as good as the antiquated sanitary arrangements will admit.

HENDERSON—Dr. J. L. Egerton, Hendersonville. Diarrhœa and dysentery have prevailed in some parts of the county. The sanitary condition of the public buildings is good.

HERTFORD—No Board of Health.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill, Statesville. Four cases of typhoid fever and twelve of remittent fever. Diarrhœa and dysentery in young and old have prevailed in all parts of the county. There has been an epidemic of distemper among dogs. The public buildings are kept clean.

JACKSON—No Board of Health.

JOHNSTON—Dr. R. J. Noble, Smithfield. No diseases to report. All county buildings in good sanitary condition.

JONES—No Board of Health.

LENOIR—Dr. C. B. Woodley, Kinston. Whooping-cough has prevailed in several parts of the county. There have been a few cases of intermittent fever and one of typho-malarial fever, and a few of jaundice and diarrhœa.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Two cases of scarlatina and one of typhoid fever. Diarrhœa and dysentery have prevailed in all parts. The jail has been thoroughly cleaned—the old floors taken up. The well is forbidden to be used.

MACON—Dr. S. H. Lyle, Franklin. No special diseases to report. Diarrhœa has prevailed in all parts of the county. The commissioners are attempting to secure a County Home. The jail is in fair condition, but needs better water-closets.

MADISON—No Board of Health.

MARTIN—Dr. W. H. Harrell, Williamston. Five cases of typhoid fever. Dysentery and diarrhœa have prevailed in all parts of the county. The sanitary condition of the public buildings is as good as it can be made.

MCDOWELL—Dr. B. A. Check, Marion. Diarrhœa and dysentery have prevailed in different parts of the county. The public buildings are kept in a healthy condition.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Whooping-cough, diarrhœa and dysentery have prevailed in Charlotte and surrounding country. There have been a few cases of typhoid fever with a few fatal results. The convicts are confined in a large tent with open sides which admit air without limit; the water is from a fine free-stone spring. The jail prisoners are temporarily confined in the city guard-house while the jail is undergoing repairs, putting in iron cells, etc.

MITCHELL—Dr. Upton, of Bakersville, has been chosen Superintendent of Health.

MONTGOMERY—No report.

MOORE—Dr. Gilbert McLeod, Carthage. Very little sickness except some dysentery and cholera infantum in the southern and western parts of the county. The public buildings are in good condition. The well at the Home has been thoroughly cleaned and repaired. Some needed repairs are being made on the buildings there.

NASH—Dr. J. J. Mann, Nashville. Typhoid fever is prevailing in most parts of the county. The sanitary condition of the public buildings is good.

NEW HANOVER—Dr. J. C. Shepard, Wilmington. Two cases of whooping-cough, one of scarlatina, ten of typhoid fever, one

of pernicious malarial and one of hemorrhagic malarial fever; no epidemic. The House of Correction is too crowded.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. Dysentery has prevailed in all parts of the county. The sanitary condition of the county is as good as usual at this season. There has been an epidemic of hog cholera. The jail is in good condition. The Home is improving.

ONSLOW—Dr. E. L. Cox, Jacksonville. Four cases of typhoid and one of hemorrhagic malarial fever reported. Dysentery and malarial fever have prevailed in all parts of the county. There are no prisoners in the jail.

ORANGE—Dr. D. C. Parris, Hillsboro. No special diseases to report. The sanitary condition of the public buildings is good except that of the jail.

PAMLICO—No Board of Health.

PASQUOTANK—No Board of Health.

PENDER—Dr. Walter C. Murphy, Burgaw. Six cases of typhoid fever reported. Diarrhœa and dysentery have prevailed in many parts of the county. The sanitary condition of the public buildings is good.

PERQUIMANS—No Board of Health.

PERSON—No Board of Health.

PITT—Dr. B. T. Cox, Redallia. Three cases of diphtheria reported and a few of typhoid fever. Diarrhœa, dysentery and malarial fevers have prevailed in all parts of the county. The sanitary condition of the public buildings is good.

POLK—No Board of Health.

RANDOLPH—Dr. J. M. Boyette, Ashboro. Six cases of typhoid fever. Malarial fever and dysentery have prevailed to some extent. Two cases of cholera infantum, neither fatal. The sanitary condition of the public buildings is excellent.

RICHMOND—Dr. J. M. Stansill, Rockingham. Seven cases of typhoid fever, four of pneumonia and some malarial fever reported. Dysentery has prevailed. The sanitary condition of the public buildings is good.

ROBESON—Dr. R. F. Lewis, Lumberton. Whooping-cough and bowel affections. The county buildings same as last month.

ROCKINGHAM—No Board of Health.

ROWAN—Dr. J. J. Summerell, Salisbury. Prevalent diseases, diarrhœa, dysentery and some typhoid fever, mild forms and few deaths. The public buildings are in good sanitary condition and the inmates are well and humanely cared for.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. Two cases of scarlatina and one of diphtheria reported. Dysentery has prevailed. The sanitary condition of the county is as good as most others, though it is not what it should be. I try to wake up our people along this line. The condition of the public buildings is as good as usual.

SAMPSON—Dr. John A. Stevens, Clinton. There has been a great deal of sickness during the month. Some cases of diarrhœa and dysentery, a few of pneumonia and bronchitis and many cases of typhoid fever and malarial fever. The sanitary condition of the Home is excellent. The brick work of the new jail is completed and ready for the steel cells, which will be put in in a few days. It will cost $6,400.

STANLY—Dr. A. C. Boyles, New London. Dysentery and diarrhœa have prevailed in some parts of the county, but not very fatal. The sanitary condition of the public buildings is very good.

STOKES—Dr. J. W. Neal, Meadows. Four cases of diphtheria and one of typhoid fever reported. There has been an epidemic of dysentery in portions of the county, and it is still spreading in places. The sanitary condition of the public buildings is good.

SURRY—No Board of Health.

SWAIN—Dr. R. L. Davis, Bryson City. Two cases of typhoid fever to report and some diarrhœa among children. The public buildings are not in good sanitary con-

dition, but I think there are steps being taken to improve them.

TRANSYLVANIA—No Board of Health.

TYRRELL—Dr. Ab. Alexander, Columbia. No sickness reported from any part of the county.

UNION—Dr. J. H. Blair, Monroe. A few cases of typhoid fever in the eastern part of the county. The sanitary condition of the public buildings is good.

VANCE—Dr. W. T. Cheatham, Henderson. No diseases reported. The sanitary condition of the county and public buildings is good.

WAKE—Dr. James McKee, Raleigh. One case of scarlatina and two of typhoid fever reported. The sanitary condition of the public buildings is good.

WARREN—Dr. P. J. Macon, Warrenton. A few cases of measles. Diarrhœa (choleraic) and dysentery have prevailed in all parts of the county. One case of meningitis near Warrenton. The sanitary condition of the public buildings is very good.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B Councill, Boone. Very little sickness of any kind has prevailed, nothing serious. The sanitary condition of the public buildings is first-class.

WAYNE—Dr. John Spicer, Goldsboro. We have some few cases of whooping-cough, malarial fever in different forms, and some dysentery. The condition of the public buildings is good.

WILKES—No Board of Health.

WILSON—Dr. A. Anderson, Wilson. One case of typhoid fever reported. Rötheln, dysentery and malarial fever have prevailed in some parts of the county. The condition of the public buildings is good.

YADKIN—Dr. T. R. Harding, Yadkinville. No report.

YANCEY—Dr. J. L. Ray, Burnsville. Very little sickness. There has been a little distemper among horses. The Home is in moderately good condition. The jail is filthy, owing to neglect of jailer.

Review of Diseases for June, 1893.

CHOLERA INFANTUM—From Caswell, Moore and Randolph.

CHOLERA MORBUS—From Burke.

CHOLERA, IN HOGS—From Alexander, Duplin, Northampton and Wayne.

DIARRHŒA—From Buncombe, Burke, Catawba, Davidson, Duplin, Haywood, Henderson, Iredell, Lenoir, Lincoln, McDowell, Macon, Martin, Mecklenburg, Pender, Pitt, Rowan, Sampson, Stanly, Swain and Warren—21 counties.

DIPHTHERIA—From Pitt, Rutherford and Stokes.

DYSENTERY—From Buncombe, Caswell, Catawba, Davidson, Duplin, Greene, Guilford, Halifax, Henderson, Iredell, Lincoln, McDowell, Martin, Mecklenburg, Moore, Northampton, Onslow, Pender, Pitt, Randolph, Rowan, Rutherford, Sampson, Stanly, Stokes, Warren, Wayne and Wilson—28 counties.

BOWEL DISEASES (NOT SPECIFIED)—From Chatham, Craven and Robeson.

MALARIAL FEVER—From Anson, Chatham, Columbus, Craven, Greene, Guilford, Lenoir, New Hanover, Onslow, Pitt, Randolph, Richmond, Sampson, Wayne and Wilson—15 counties.

MALARIAL FEVER, HEMORRHAGIC—From Columbus and New Hanover.

MALARIAL FEVER, PERNICIOUS—From New Hanover.

MALARIAL FEVER, TYPHO—From Edgecombe.

MEASLES—From Warren.

"MOUNTAIN FEVER"—From Haywood.

PNEUMONIA—From Richmond and Sampson.

RÖTHELN—From Wayne.

SCARLATINA—From Columbus, Lincoln, New Hanover, Rutherford and Wake.

TYPHOID FEVER—From Alexander, Beaufort, Catawba, Columbus, Craven, Franklin, Iredell, Lincoln, Martin, Mecklenburg, Nash, New Hanover, Onslow, Pender, Ran-

dolph, Richmond, Rowan, Sampson, Stokes, Swain, Union, Wake and Wilson—23 counties.

WHOOPING-COUGH—From Chatham, Gaston, Granville, Lenoir, Mecklenburg, New Hanover and Wayne.

Summary of Mortuary Reports for June, 1893.

(TWENTY-SIX TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	77,527	52,589	130,116
Aggregate deaths	107	95	202
Representing annual death-rate per 1,000	16.6	21.7	18.6

Causes of death.

Typhoid Fever	3	0	3
Malarial Fever	2	2	4
Whooping-cough	1	1	2
Pneumonia	3	2	5
Consumption	15	17	32
Brain diseases	6	5	11
Heart diseases	7	8	15
Neurotic diseases	2	2	4
Diarrhœal diseases	31	21	52
All other diseases	33	37	70
Accident	3	0	3
Suicide	1	0	1
	107	95	202
Deaths under 5 years	47	36	83
Deaths under 5 years, color not stated	.....	.....	4
			87
Still-born	4	9	13

Condition of Jails and County Homes by Counties for June, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	10 (*a*)				27			
Alexander	1			1	10		1	0
Ashe								
Alleghany								
Anson					12			
Beaufort	1	*	0	0	14	750	3	0
Bertie								
Bladen								
Brunswick								
Buncombe	45 (*b*)				27			
Burke	4	600	2		9	700	3	
Cabarrus								
Caldwell	5	1000	3	5	8	*	4	3
Camden								
Carteret								
Caswell	2				15		4	3
Catawba	7		4	7	26		15	20
Chatham	2				27			
Cherokee	4				2			
Chowan								
Clay								
Cleveland	15			8	23	1000		3
Columbus	9	*		6	13	*		0
Craven	12	1000	4	5	15	*	13	1
Cumberland	5				16			
Currituck								
Dare								
Davidson	3	*	0	1	24	720	0	2
Davie								
Duplin	2				9			
Durham	35 (*c*)	1000		12	14	1000		3
Edgecombe	14	*	4	3	26	*	3	2
Forsyth	24	*	6	4	27	*	8	3

(*a*) Includes 5 in House of Correction. (*b*) Includes 35 in House of Correction. (*c*) Includes 28 in House of Correction. * Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	9				18			
Gaston								
Gates								
Graham								
Granville	8	*		2	39	(a)		10
Greene	2	500			9	1000		
Guilford	15	832			39	*		
Halifax	6	1000	3	3	47	700	15	5
Harnett								
Haywood	2	*	0	0				
Henderson	2				2			
Hertford								
Hyde								
Iredell	10				22			
Jackson								
Johnston	8	1000	2		13	*		
Jones								
Lenoir	4	*	1	2				
Lincoln	4	*			21	400		
McDowell	6		0	1	11		0	1
Macon	5		2	4				
Madison								
Martin	5	*	2	2	14	750	4	6
Mecklenburg	101 (b)	*	0		65	900	0	
Mitchell								
Montgomery								
Moore	10	960	0	4	8	*	0	3
Nash	1	600	1		32	1000	6	5
New Hanover	38 (c)		11	15	17	*	4	3
Northampton	4	1000						
Onslow					4	*	1	1
Orange	7	1000	2	3	16	*	8	6
Pamlico								

(a) "Rather crowded." (b) Of these 25 are confined elsewhere at present, and the remainder, 76, are confined in House of Correction. (c) Includes 20 in House of Correction. * Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—Continued.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender					4		0	0
Perquimans								
Person								
Pitt	2				16			3
Polk								
Randolph	5				28			
Richmond	14		4	3	13		2	
Robeson	7				7			
Rockingham								
Rowan	5	*	0	3	25	*	0	2
Rutherford	6	800			26	800		
Sampson					17			
Stanly	7				12			
Stokes	2	500	1	1	16	400	4	4
Surry								
Swain								
Transylvania								
Tyrrell	0				0			
Union	14				28			
Vance	4	*	1	1	19	*		2
Wake	84 (*a*)	*			60	*		
Warren	2	*		1	20	*		3
Washington								
Watauga	6	500			7	*	0	0
Wayne	9	952	0		11	*	0	
Wilkes								
Wilson	6	*	3	2	21	*	2	4
Yadkin								
Yancey	1		1	1	3			

(*a*) Includes 68 in House of Correction. * Space exceeds 1,000 cubic feet.

Mortuary Report for June, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	7,500	10,500	20.8	17.1	...	...	...	...	...	...	2	4	3	...	...	3	1	...	...	13	15	6	1
Dr. C. E. Hilliard	Colored.	3,000		8.0		...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	2		...	2
Charlotte	White.	9,000	14,000	20.0	24.9	...	...	...	...	...	...	...	3	...	2	...	6	3	1	...	15	29	6	...
Fred. Nash, Esq.	Colored.	5,000		33.6		...	...	...	...	...	...	...	3	2	3	...	1	5	..	...	14		5	2
Durham	White.	4,500	8,000	8.0	9.0	...	...	...	...	..	...	...	...	...	...	...	1	2	...	...	3	6	4	...
Dr. N. M. Johnson.	Colored.	3,500		10.3		...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	3		...	...
Fayetteville	White.	2,800	5,000	17.1	19.2	...	...	...	...	..	...	...	...	...	...	...	1	3	...	...	4	8	2	...
Dr. J. H. Marsh.	Colored.	2,200		21.8		...	...	...	...	...	...	...	1	...	...	...	2	1	...	...	4		3	...
Goldsboro	White.	2,800	5,000	12.8	21.6	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	3	9	1	1
May. D. J. Broadhurst	Colored.	2,200		32.7		...	...	...	...	...	...	...	2	...	2	...	1	1	...	...	6		1	1
Greensboro	White.	4,000	6,000	15.0	12.0	...	...	...	...	...	...	...	1	...	1	...	3	...	...	...	5	6	4	...
Dr. E R. Michaux.	Colored.	2,000		6.0		...	...	...	...	...	...	...	...	...	...	...	...	1	..	...	1		...	...
Henderson	White.	2,250	4,250	5.4	5.7	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	1	...
Dr. W. T. Cheatham.	Colored.	2,000		6.0		..	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		1	...
Hillsboro	White.	600	1,000	20.0	24.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. D. C. Parris.	Colored.	400		30.0		...	...	...	...	...	...	...	...	...	...	...	..	1	...	...	1		2	...
Lexington	White.	1,500	1,800	8.0	6.7	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	1	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0		...	...
Marion	White.	650	800	18.4	45.0	...	...	...	...	..	...	...	...	...	...	1	...	...	...	...	1	2	3	...
Dr. B. A. Cheek.	Colored.	150		160.0		...	...	...	...	..	...	...	...	...	...	...	2	...	...	...	2		...	...
Monroe	White.	1,500	2,000	8.0	6.0	...	..	1	...	...	...	...	...	...	...	...	...	...	...	...	1	0	1	...
Dr. W. D. Pemberton.	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Morehead City	White.	1,377	1,612	52.2	59.5	...	...	...	...	1	...	...	1	1	1	...	1	1	...	...	6	8	3	...
Mayor T. C. Davis.	Colored.	235		102.1		...	...	1	...	..	...	...	...	...	...	...	...	1	...	...	2		...	...
Oxford	White.	1,700	3,300	21.2	29.1	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	3	5	3	1
Dr. Patrick Booth.	Colored.	1,600		37.5		...	...	...	...	1	...	...	1	...	...	...	...	3	...	...	5		3	...
Raleigh	White.	8,000	15,000	22.5	26.4	...	...	...	...	...	...	1	1	...	1	...	2	9	...	1	15	33	8	1
Dr. James McKee.	Colored.	7,000		30.8		..	...	...	...	...	...	...	6	...	..	...	1	11	...	...	18		7	1
Rockingham	White.	1,200	1,700	20.0	21.2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	3	2	...
Dr. J. M. Stansill.	Colored.	500		24.0		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		...	...
Rocky Mount	White.	800	1,200	30.0	20.0	1	...	..	...	...	...	...	1	...	...	...	...	...	...	...	2	0	2	...
Dr. G. L. Wimberley.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salem	White.	3,942	4,284	15.1	19.4	...	...	...	...	...	..	...	...	...	...	...	3	2	...	...	5	7	4	...
Mayor T. B. Douthit.	Colored.	342		70.2		...	...	..	...	...	...	...	...	...	...	...	1	1	...	...	2		2	...
Salisbury	White.	3,000	5,000	12.0	7.2	...	...	...	...	...	...	..	1	...	...	1	...	1	...	...	3	0	3	...
Dr. J. J. Summerell.	Colored.	2,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Scotland Neck	White.	700	1,100	34.3	21.8	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	0	2	...
Mayor J. A. Perry.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Southport	White.	750	1,200	32.0	20.0	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2	0	2	...
E. H. Cranmer, Jr.	Colored.	450		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Statesville	White.	2,500	3,500	4.8	3.4	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	0	1	...
Dr. W. J. Hill	Colored.	1,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Tarboro	White.	1,258	2,370	9.5	25.3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	5	1	...
Dr. Donald Williams.	Colored.	1,112		43.2		...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	4		3	...
Washington	White.	2,500	4,500	14.4	18.6	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	3	4	7	...
Dr. W. A. Blount.	Colored.	2,000		24.0		1	...	...	...	...	...	...	1	2	...	1	...	...	...	...	4		...	...
Weldon	White.	700	1,500	0.0	24.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	3	3	...
Mayor J. T. Gooch.	Colored.	800		45.0		...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	3		...	...
Wilmington	White.	10,000	22,000	14.4	18.0	..	...	...	...	...	...	...	3	...	2	...	4	2	1	...	12	33	2	...
Dr. J. C. Shepherd.	Colored.	12,000		21.0		...	...	1	...	...	...	1	1	1	2	1	6	8	...	...	21		11	3
Wilson	White.	2,000	3,500	12.0	10.3	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	1	2	...
Dr. Albert Anderson.	Colored.	1,500		8.0		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		3	...
Winston	White.	5,800	10,000	.....	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dr. R. F. Gray.	Colored	4,200		.....		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...

Meteorological Summary for North Carolina, June, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	68.0	85	11	79.3	51	25	56.8	34	22.5	.....	3.91	13	5	12	13	N.
Bakersville	67.6	85	11	79 9	44	24	55.2	41	24.7	.....	4.86	23	3	4	9	.....
Blowing Rock	64.4	79	20	74.7	43	29	54.2	36	20.5	.....	10.73	8	8	11	11	N. W.
Charlotte	74.0	90	19	83.9	58	9	64.4	32	19.5	.....	5.48	10	11	9	16	S. W.
Chapel Hill	76.0	95	19	88.1	55	8	63.8	40	20.3	.....	4.21	.....	.....	.....	11	.....
Horse Cove	67.6	84	18	77.4	52	24	57.8	32	19.6	.....	9.13	9	12	9	15	S. E.
Littleton	74.3	95	19	85.5	54	8	63.1	41	22.4	.....	4.05	8	15	7	11	S. W.
Lenoir	70.5	84	11	78.3	58	9	65.4	26	12.9	.....	3.50	9	11	10	7	W.
Louisburg	73.9	88	21	81.1	56	8	66.7	32	14.4	.....	2.87	4	22	4	11	S. W.
Mt. Airy	71.0	88	10	82.0	50	9	59.9	38	22.1	.....	5.65	3	19	8	15	S. W.
Mt. Pleasant	73.4	89	21	82.8	56	9	63.9	33	18.9	.....	8.46	7	7	16	3	S. W.
Marion	71.2	89	24	81.9	53	9	60.4	36	21.5	.....	5.32	19	7	4	9	.....
Newbern	72.8	90	21	80.6	58	9	64.9	32	15.7	.....	5.70	.....	.....	.....	8	.....
Oak Ridge	72.5	91	11	82.8	58	10	62.2	33	20.6	.....	6.42	11	15	4	11	S. W.
Pittsboro	71.6	89	19	81.1	47	25	62.2	42	18.9	.....	3.35	6	13	11	9	S. E.
Raleigh	74.0	91	19	83.0	57	9	65.3	34	17.7	.....	4.15	8	11	11	11	S. W.
Rockingham	77.1	102	11	89.9	56	9	64.3	46	25.6	.....	4.04	.....	.....	.....	7	W.
Roxboro	74.8	92	20	83.5	60	29	66.0	32	17.5	.....	3.21	16	8	6	7	.....
Soapstone Mount	72.8	91	11	84.3	50	9	61.4	41	22.9	.....	5.88	8	12	10	10	W. S. W.
Saxon	71.9	92	11	85.5	48	8	58.3	44	27.2	.....	7.68	3	20	7	11	S. W.
Southern Pines	73 6	97	21	87.3	53	9	59.8	44	27.5	.....	7.10	.....	.....	.....	7	S. W.
Salisbury	75.5	89	21	82.8	62	9	68.2	27	14.6	.....	5.66	.....	.....	.....	11	.....
Tarboro	75.4	94	20	86.7	53	9	64.2	41	22.5	.....	9.37	13	11	6	10	E.
Willeyton	73.8	92	21	83.7	55	29	64.0	37	19.7	.....	6.88	8	17	5	7	S.
Weldon	75.3	95	20	86.2	53	9	64.4	42	21.8	.....	5.50	14	5	11	14	.....
Wilmington	76.0	90	26	83.0	60	9	68.0	30	15.0	.....	5.58	6	18	6	11	S. W.

STATE METEOROLOGICAL SUMMARY FOR JUNE, 1893.

Mean Barometer, 30.03 inches; normal for June, 30.02. Highest Barometer, 30.30 on the 8th, at Lynchburg, Va. Lowest Barometer, 29.44 on the 16th, at Wilmington.

Mean temperature, 73.3 degrees; normal for June, 74.4. Highest temperature, 102 on the 11th, at Rockingham. Lowest temperature, 43 on the 29th, at Blowing Rock.

Average rain-fall, 5.76 inches; normal for June, 4.34 inches. Greatest monthly rain-fall, 11.37 inches, at Columbus. Least monthly rain-fall 2.16 inches at Warrenton.

Average number of clear days, 11; partly cloudy, 11; cloudy, 8; rainy, 11.

Prevailing wind direction, south-west; average velocity, 7.4 miles per hour. Normal direction for June, south-west. Normal velocity, 7.0 miles per hour.

BULLETIN

OF THE

NORTH CAROLINA BOARD OF HEALTH.

Published Monthly at the Office of the Secretary of the Board, at Raleigh, N. C.

SUBSCRIPTION, 25 CENTS A YEAR.

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S. Westray Battle, M. D.....Asheville.
W. H. Harrell, M. D.....Williamston.
Geo. Gillett Thomas, M. D...Wilmington.
W. H. G. Lucas, M. D.....White Hall.
Prof. F. P. Venable.....Chapel Hill.
J. C. Chase, Civ. Eng.....Wilmington.
Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

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Typhoid Fever Again.

Although faint mutterings of cholera to the north of us and a somewhat louder growl from yellow fever to the south of us are heard, typhoid fever is unusually prevalent within our own borders, and its prevention remains with us in North Carolina the great sanitary question of the day. When we realize that the number of deaths annually from typhoid in this State is estimated at one thousand it is easy to understand that it has slain its thousands where both the other diseases combined have claimed their tens, or less. And it will continue to do so, probably in an increasing ratio, unless our people can be aroused to the importance of the strict observance of the proper sanitary precautions. As a practical sanitary question, therfore, for the whole State, the prevention of typhoid fever is a very much more serious one than that of either of the other much more dreaded diseases. But it is extremely difficult to get the people to realize and act upon it. Such a realization on their part we regard as of so much moment that at the risk of proving tedious we bring up the subject again for the purpose of urging County Superintendents and all other physicians to bestir themselves to promote a more enlightened public sentiment on this subject especially, not omitting other matters pertaining to preventive medicine. Much to our regret and discouragement, we have been compelled to admit that many of our physicians are not as careful as they might be in impressing upon the nurses and friends of their patients the danger of spreading the disease to themselves and others by using the same drinking utensils as the patient, by continuing to use the same water supply unboiled, by washing the undisinfected soiled linen near the well, and, worst of all, by disposing of the bowel discharges, in any manner, without thorough disinfection by reliable disinfectants of the same. But even when the matter is not overlooked, it often happens that the directions given are so general and vague as to be of no practical value. Again, it frequently occurs that the family having received the proper instructions fail to carry them out—sometimes not

at all, but more often inadequately. Most people are reasonable and tractable, particularly in their relations with one in whom they usually have so much confidence as their family physician. If they understand the reasons for a certain course of action, and they are good reasons, they are very apt to follow that course. The generality are entirely ignorant of sanitation, and the attending physician, therefore, should take some pains to explain to them how the fever is transmitted through the drinking water contaminated by germs from the undisinfected discharges of some previous case, clinching the matter by giving illustrations, which can easily be done from medical literature if not from actual personal experience. A want of faith is at the bottom of the whole trouble. Convince their judgments and the proper action on their part will follow.

In conclusion, a word as to the disinfectants to be used. Those recommended in the Instructions for Quarantine and Disinfection, a copy of which has been mailed to every registered physician in the State (except those in three counties whose addresses could not be obtained), were given after very careful consideration and due consultation of the best authorities. It is advised that they only be used, as they are reliable, cheap and convenient. Beware of ready-made, patent or proprietary disinfectants—they cannot be depended upon as germ killers, though they may be very good deodorants.

Summary of Reports from County Superintendents for July, 1893.

(SIXTY-TWO COUNTIES REPORTING).

ALAMANCE—Dr. Geo. W. Long, Graham. Two cases of typhoid fever. Diarrhœa and dysentery have prevailed in some parts of the county. The privies and pig-pens are hard to regulate. The old jail is still unimproved.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Fifteen cases of typhoid fever, with five deaths. New cases are still developing. There has been an epidemic of chicken cholera. The sanitary condition of the public buildings is good; no sickness among the inmates of the Home.

ALLEGHANY—No Board of Health.

ANSON—Dr. E. S. Ashe, Wadesboro. No report.

ASHE—No Board of Health.

BEAUFORT—Dr. Wm. A. Blount, Washington. One case of pernicious malarial fever. No reports are received from the physicians of the county and my reports are for the town of Washington. We are building a new jail with all the modern improvements. The sanitary condition of the Home is good.

BERTIE—No Board of Health.

BLADEN—Dr. N. Robinson, Elizabethtown. No report.

BRUNSWICK—No Board of Health.

BUNCOMBE—Dr. Chas. E. Hilliard, Asheville. Six cases of typhoid fever. The sanitary condition of the county and public buildings is good.

BURKE—Dr. J. L. Laxton, Morganton. Three cases of typhoid fever and a few of diarrhœa among children. The health of the county has been very good. The sanitary condition of the public buildings is as good as such structures will admit of.

CABARRUS—No Board of Health.

CALDWELL—Dr. A. A. Kent, Lenoir. Typhoid fever of mild type has prevailed in some sections; ten cases reported. Only one death thus far.

CAMDEN—No Board of Health.

CARTERET—No successor to Dr. Arendell has yet been elected.

CASWELL—Dr. W. O. Spencer, Yanceyville. No special disease to report. No reports from other physicians. We have a very imperfect Board of Health; in fact, none at all. The health of the county is

very good. The Home and prison are about as last reported.

CATAWBA—Dr. Geo. H. West, Newton. Three cases of typhoid fever. Diarrhœa has prevailed in the central and western portions of the county. The sanitary condition of the public buildings is as good as usual.

CHATHAM—Dr. W. E. Headen, Pittsboro. A few cases of malarial fever reported; also some dysentery. Very little sickness. The sanitary condition of the public buildings is good.

CHEROKEE—Dr. J. F. Abernathy, Murphy. "Bilious remittent fever has prevailed in some sections all the summer. The jail is crowded too closely at present."

CHOWAN—No Board of Health.

CLAY—No Board of Health.

CLEVELAND—Dr. O. P. Gardner, Shelby. Nine cases of typhoid fever. A building for the sick in jail is greatly needed.

COLUMBUS—Dr. I. Jackson, Whiteville. There have been many cases of whooping-cough. Dr. J. M. McGougan, of Hub, reports seventeen cases of typhoid fever, one of hemorrhagic malarial fever, three of scarlatina and dysentery, with three deaths from the typhoid. He says the decomposition of animal and vegetable matter is profuse on account of the unsanitary condition of the river on the west and an old mill-pond on the east. He also reports chicken cholera. The sanitary condition of the public buildings is good.

CRAVEN—Dr. Leinster Duffy, Newbern. "Malarial fever and bowel diseases have been quite prevalent. Dr. W. H. Harrell and myself visited Core Creek, where so many cases of typhoid fever have occurred. Shallow wells, so easily contaminated by surface water where proper sanitary measures are not observed, make it quite easy to account for the rapid spread of the disease. Deep wells being bored now at the station and throughout the neighborhood it is hoped will effectually aid in stamping out the disease. The public buildings are in good condition."

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. No special disease to report. The houses at the Home have been white-washed. Work on the new jail will be commenced in a few days.

CURRITUCK—No Board of Health.

DARE—No Board of Health.

DAVIE—No Board of Health.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. Malarial and typhoid fevers have prevailed to some extent. The sanitary condition of the public buildings is fairly good.

DUPLIN—Dr. James W. Blount, Kenansville. Typhoid and malarial fevers reported in several parts of the county. Hog cholera has been very severe in some sections. The sanitary condition of the public buildings is good.

DURHAM—Dr. N. M. Johnson, Durham. No epidemic. Two cases of scarlatina in July; it was not fatal and did not spread. The condition of the public buildings seems to be healthful.

EDGECOMBE—Dr. Donald Williams, Tarboro. Typhoid and malarial fevers have prevailed in many parts of the county, and the mortality has been very heavy. The sanitary condition of the public buildings is very good.

FORSYTH—Dr. D. N. Dalton, Winston. One case of diphtheria and a few cases of typhoid fever. The sanitary condition of the public buildings is good.

FRANKLIN—Dr. E. S. Foster, Louisburg. Typhoid fever has prevailed in this town and some parts of the county; five cases reported. With that exception the health of the county is very good. The sanitary condition of the public buildings is very good.

GASTON—Dr. J. H. Jenkins, Dallas. Typhoid fever is reported from two parts of the county. The sanitary condition of the public buildings is good.

GATES—No Board of Health.

GRAHAM—No Board of Health.

GRANVILLE—Dr. Patrick Booth, Oxford. A few cases of whooping-cough and three of typhoid fever. Diarrhœal and malarial diseases have prevailed in nearly all parts to some extent. The sanitary condition of the public buildings is good, except that the Home is too crowded. The Commissioners are arranging to build another two-room cottage.

GREENE—Dr. E. H. Sugg, Snow Hill. Malarial fever has prevailed. No other sickness of importance. The sanitary condition of the county and public buildings is good.

GUILFORD—Dr. E. R. Michaux, Greensboro. Some malarial trouble, but very little serious sickness. The sanitary condition of the public buildings is good, always excepting the jail. No efforts toward improvement are being made. Something, however, should be done.

HALIFAX—Dr. I. E. Green, Weldon. Malarial diseases to a limited extent have prevailed in some sections.

HARNETT—No Board of Health.

HAYWOOD—Dr. J. Howell Way, Waynesville. Acute intestinal disorders of moderate severity and a few cases of "mountain fever" of mild type—all recovering or in a fair way to do so.

HENDERSON—Dr. J. L. Egerton, Hendersonville. Four cases of typhoid fever. The sanitary condition of the county and public buildings is very good.

HERTFORD—No Board of Health.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill, Statesville. A number of cases of typhoid fever in the county, with a large percentage of recoveries. Some malarial fever and a little sporadic cholera. The public buildings are in good sanitary condition.

JACKSON—No Board of Health.

JOHNSTON—Dr. R. J. Noble, Smithfield. Three cases of typhoid fever. There has been an epidemic of hog cholera in Wilson's Mills township. The sanitary condition of the public buildings is good.

JONES—No Board of Health.

LENOIR—Dr. C. B. Woodley, Kinston. There has been mild malarial fever in several sections, though there seems to be no special unsanitary condition.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Six cases of whooping-cough and three of typhoid fever. An epidemic of chicken cholera in the western portion. The health of the county is good. The jail has been abandoned on account of the water. Prisoners are kept in other county jails. The water has been analyzed and found to be poisonous. There has been typhoid fever for three years in jail, and three deaths.

MACON—Dr. S. H. Lyle, Franklin. Three cases of typhoid fever. Diarrhœa has prevailed in all parts. The jail is in good order, but there are no prisoners.

MARTIN—Dr. W. H. Harrell, Williamston. A few scattered cases of typhoid fever (five reported). It is not spreading and the mortality is small. Only one death reported. Malarial fevers and mild intestinal troubles have prevailed in several sections. The condition of the public buildings is good; grounds clean and very little sickness except the chronic cases.

MCDOWELL—Dr. B. A. Cheek, Marion. Five cases of typhoid fever and one of pernicious malarial fever. Bowel troubles have prevailed. The sanitary condition of the Home is good; that of the jail is as good as it can be kept in its present construction.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Typho-malarial and typhoid fever have prevailed in the county in and around Charlotte. Twelve cases of measles, one of scarlatina, and twenty-two of typhoid fever reported. The new Pouley iron jail has just been completed and turned over to the county for its prisoners. It is fitted up with baths, water-closets, etc. It has

plenty of windows, but the breathing space is very much contracted, and it is very hot. The Home is in splendid keeping. The stockade is in fair sanitary condition.

MITCHELL—Dr. W. P. Upton, Bakersville. Dysentery is prevailing in a part of the county. With that exception health very good. The sanitary condition of the Home is good, but we need a new jail very badly.

MONTGOMERY—No report.

MOORE—Dr. Gilbert McLeod, Carthage. A good deal of sickness, but few deaths. One death from typhoid fever and two from puerperal fever. Malaria has manifested itself more than usual, especially along the creeks, but good rains during the last ten days will flush them out and do good. The jail is a little crowded now, but it is well ventilated and all the prisoners are not kept on one floor. The Home is in as good condition as the buildings will admit of.

NASH—Dr. J. J. Mann, Nashville. Typhoid fever has prevailed in all parts of the county. The sanitary condition of the public buildings is very good.

NEW HANOVER—Dr. J. C. Shepard, Wilmington. Seven cases of whooping-cough, five of typhoid fever, three of pernicious malarial fever and two of hemorrhagic malarial fever. Diarrhœa also has prevailed. The sanitary condition of the public buildings is good, except that the space in the House of Correction is small, but the prisoners are confined during the night only.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. Two cases of typhoid fever. Dysentery has prevailed in all parts of the county. An epidemic of hog cholera in some parts. The public buildings are in fair condition.

ONSLOW—Dr. E. L. Cox, Jacksonville. Five cases of whooping-cough and eight of typhoid fever. Malarial fever has prevailed in all parts. An epidemic of hog cholera. The sanitary condition of the public buildings is fair.

ORANGE—Dr. D. C. Parris, Hillsboro. One case of scarlatina and one of hemorrhagic malarial fever. Cholera morbus, dysentery and cholera infantum have prevailed in many parts. No special unsanitary conditions except the hot and dry weather. The sanitary condition of the public buildings is good except that of the jail.

PAMLICO—No Board of Health.

PASQUOTANK—No Board of Health.

PENDER—Dr. Walter C. Murphy, Burgaw. Two cases of typhoid fever. Malarial fever has prevailed in limited portions of the county. The public buildings are undergoing repair and improvement.

PERQUIMANS—No Board of Health.

PERSON—No Board of Health.

PITT—Dr. B. T. Cox, Redallia. There has been a greater number of cases of malarial fevers than for several years. A few cases of typhoid fever, diarrhœa and dysentery are reported.

POLK—No Board of Health.

RANDOLPH—Dr. J. M. Bovette, Ashboro. Typhoid fever prevails throughout the county. There are perhaps twenty cases. One case of spinal meningitis reported. The sanitary condition of the public buildings is good.

RICHMOND—Dr. J. M. Stansill, Rockingham. One case of diphtheria and five or six cases of typhoid fever. Beyond this very little sickness. The sanitary condition of the public buildings is good. We will soon have decided improvement at the Home.

ROBESON—Dr. R. F. Lewis, Lumberton. Whooping-cough, malarial fever and a few cases of typhoid fever have prevailed in some parts of the county. The court-house is in good condition. The jail is to be better ventilated and improved. Work on the new County Home has begun.

ROCKINGHAM—No Board of Health.

ROWAN—Dr. J. J. Summerell, Salisbury. A few cases of typhoid fever reported in different parts. The county has been unusually free from disease. During the past month there has been only one death and that was of a paralytic of sixty-eight years. The public buildings are in good sanitary condition, clean and well ventilated.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. A mild form of dysentery and entero-colitis has prevailed in some sections. The public buildings are in as good sanitary condition as their faulty construction will admit of.

SAMPSON—Dr. John A. Stevens, Clinton. "Some malarial and many cases of typhoid fever; in fact, I think we are having more typhoid fever in the county than I have known in one time. It is not confined to any one locality, but is scattered all over the county. The sanitary condition of the Home is very good. Our new jail is completed. It is built of brick with four strong steel cells, and will accommodate fourteen prisoners without crowding. It is supplied with water-works of approved pattern and heated with steam."

STANLY—Dr. A. C. Boyles, New London. One case of diphtheria. Diarrhœal diseases of mild type have prevailed in some parts. The condition of the public buildings is very good.

STOKES—Dr. J. W. Neal, Meadows. Four cases of diphtheria and eight of typhoid fever. The sanitary condition of the public buildings is good.

SURRY—No Board of Health.

SWAIN—Dr. R. L. Davis, Bryson City. Two cases of typhoid fever and a few of diarrhœa among children. Nothing more. The sanitary condition of the public buildings is fairly good.

TRANSYLVANIA—No Board of Health.

TYRRELL—Dr. Ab. Alexander, Columbia. No sickness to report. The sanitary condition of the public buildings is good.

UNION—Dr. J. H. Blair, Monroe. Six cases of whooping-cough. A few cases of typhoid fever in the eastern part of the county. The public buildings are in good condition.

VANCE—Dr. W. T. Cheatham, Henderson. Sanitary condition of the county unusually good for this season of the year. Diarrhœa and dysentery most prevalent but not severe. The sanitary condition of the public buildings is excellent.

WAKE—Dr. James McKee, Raleigh. One case of whooping-cough, five of scarlatina, one of diphtheria and four of typhoid fever. No epidemic. The sanitary condition of the public buildings is good.

WARREN—Dr. P. J. Macon, Warrenton. A few cases of typhoid and malarial fever. General health good. The sanitary condition of the public buildings is good.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. Two cases of typhoid fever. Bowel diseases, diarrhœa and dysentery, of mild type, have prevailed in all parts of the county. Both jail and Home are in first-class condition.

WAYNE—Dr. John Spicer, Goldsboro. One case of pernicious malarial fever and a few cases of pneumonia and sporadic dysentery. Continued malarial fever is the most common of our diseases now. The condition of the public buildings is good.

WILKES—No Board of Health.

WILSON—Dr. Albert Anderson, Wilson. A few cases of whooping-cough and three cases of typhoid fever. Malarial fever, dysentery and diarrhœa have prevailed in all parts of the county. The sanitary condition of the public buildings is good.

YADKIN—Dr. T. R. Harding, Yadkinville. No report.

YANCEY—Dr. J. L. Ray, Burnsville. Whooping-cough (several cases) and mild typhoid fever (six cases) reported. The jail is filthy as usual; no efforts at improvement. The Home is moderately well kept.

Review of Diseases for July, 1893.

CHOLERA INFANTUM—From Orange.

CHOLERA MORBUS—From Iredell and Orange.

CHOLERA, IN CHICKENS—From Alexander and Lincoln.

CHOLERA, IN HOGS—From Duplin, Johnston and Northampton.

DIARRHŒA—From Alamance, Burke, Catawba, Granville, Macon, New Hanover, Pitt, Stanly, Swain, Vance and Watauga—11 counties.

DIPHTHERIA—From Forsyth, Richmond, Stanly, Stokes and Wake.

DYSENTERY—From Alamance, Chatham, Columbus, Mitchell, Northampton, Pitt, Rutherford, Vance, Watauga, Wayne and Wilson—11 counties.

BOWEL DISEASES (NOT SPECIFIED)—From Craven, Haywood and Martin.

MALARIAL FEVER—From Chatham, Cherokee, Craven, Davidson, Duplin, Edgecombe, Granville, Greene, Guilford, Halifax, Iredell, Lenoir, McDowell, Martin, Moore, Onslow, Pender, Pitt, Robeson, Sampson, Warren, Wayne and Wilson—23 counties.

MALARIAL FEVER, HEMORRHAGIC—From Columbus, New Hanover and Orange.

MALARIAL FEVER, PERNICIOUS—From Beaufort, McDowell, New Hanover and Wayne.

MALARIAL FEVER, TYPHO—From Mecklenburg.

MEASLES—From Mecklenburg.

MENINGITIS, SPINAL—From Randolph.

"MOUNTAIN FEVER"—From Haywood.

PNEUMONIA—From Wayne.

SCARLATINA—From Columbus, Durham and Wake.

TYPHOID FEVER—From Alamance, Alexander, Buncombe, Burke, Caldwell, Catawba, Cleveland, Columbus, Craven, Davidson, Duplin, Edgecombe, Forsyth, Franklin, Gaston, Granville, Henderson, Iredell, Johnston, Lincoln, McDowell, Macon, Martin, Mecklenburg, Moore, Nash, New Hanover, Northampton and Onslow—29 counties.

WHOOPING-COUGH—From Columbus, Granville, Lincoln, New Hanover, Onslow, Robeson, Union, Wake, Wilson and Yancey.

Summary of Mortuary Reports for July, 1893.

(TWENTY-SEVEN TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	79,535	52,589	132,124
Aggregate deaths	108	122	230
Representing annual death-rate per 1,000	15.0	27.8	20.9
Causes of death.			
Typhoid Fever	20	6	26
Malarial Fever	5	9	14
Diphtheria	1	0	1
Whooping-cough	1	3	4
Pneumonia	0	1	1
Consumption	9	14	23
Brain diseases	5	6	11
Heart diseases	9	11	20
Neurotic diseases	2	3	5
Diarrhœal diseases	17	29	46
All other diseases	38	37	75
Accident and Violence	1	3	4
	108	122	230
Deaths under 5 years	36	53	89
Still-born	10	5	15

Condition of Jails and County Homes by Counties for July, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance								
Alexander	2				10			
Ashe								
Alleghany								
Anson								
Beaufort	8	800	4	0	15	600	7	5
Bertie								
Bladen								
Brunswick								
Buncombe	43 (*a*)				27			
Burke	5	700			9	600		
Cabarrus								
Caldwell	4	*	2	4	7	*	4	3
Camden								
Carteret								
Caswell					18			
Catawba	13		4	9	25			
Chatham	5				27			
Cherokee	11				2			
Chowan								
Clay								
Cleveland	22	*		14	21	1000		4
Columbus	17	978		14	14	*		0
Craven	10	1000	3	6	15	*	13	1
Cumberland	7				15			
Currituck								
Dare								
Davidson	3	*	0		25	720	0	
Davie								
Duplin	2				9			
Durham	43 (*b*)	1000		11	14	1000		2
Edgecombe	14	*			26	*		
Forsyth	26	1000	8	6	28	*	4	3

* Space exceeds 1,000 cubic feet. (*a*) Includes 35 in House of Correction. (*b*) Includes 26 in House of Correction.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	9		3	2	19		6	1
Gaston								
Gates								
Graham								
Granville	6 (*a*)	*	0	0	30	(*b*)	19	4
Greene	2	500		1	10	1000		1
Guilford	20	624			35	*		
Halifax	11	1000	7	5	50	700	13	8
Harnett								
Haywood	8		0	5				
Henderson	6				2			
Hertford								
Hyde								
Iredell	12				21			
Jackson								
Johnston	10	1000	1	4	13	*	0	1
Jones								
Lenoir	4	*	1	1				
Lincoln	0				22			
McDowell	10		0	2	15		0	1
Macon	0							
Madison								
Martin	9	700	3	2	14	1000	4	5
Mecklenburg	99 (*c*)	340			67	900		
Mitchell								
Montgomery								
Moore	13	750	0	10	11	850	2	4
Nash	2	600	1	1	34	1000	5	4
New Hanover	33 (*d*)	420	7	5	18	*	6	4
Northampton	6	800			28	1000		
Onslow					4	*	1	1
Orange	6	1000	1	2	13	*	6	4
Pamlico								

* Space exceeds 1,000 cubic feet. (*a*) Includes 5 in House of Correction. (*b*) Too crowded. (*c*) Includes 61 in House of Correction, where air-space is ample. (*d*) Includes 13 in House of Correction, where air-space is too small.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender								
Perquimans								
Person								
Pitt					17		3	
Polk								
Randolph	8				23			
Richmond	18		4	4	15		2	1
Robeson	13 (*a*)	987			7	1000		
Rockingham								
Rowan	10	750	3	7	23	*	2	1
Rutherford	9	800			25	800		
Sampson	2				19			
Stanly	7				12			
Stokes	3	500	1		15	400	4	3
Surry								
Swain	0				0			
Transylvania								
Tyrrell	0				0			
Union	23 (*b*)	800			27	700		5
Vance	7	*	2	2	19	*	3	2
Wake	80 (*c*)	*			65	*		
Warren	5	*		4	22	*		3
Washington								
Watauga	5	500			7	*	3	0
Wayne	11	952			8	*		
Wilkes								
Wilson	6	*	3	2	19	*	3	4
Yadkin								
Yancey	2	*	1	2	3	*		

(*a*) Includes 6 in House of Correction. * Space exceeds 1,000 cubic feet. (*b*) 10 of these belong to Mecklenburg. (*c*) Includes 60 in House of Correction.

Mortuary Report for July, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrheal Diseases.	All Other Diseases.	Accident and Violence.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	7,500	10,500	8.0	16.0	1	...	...	...	...	...	...	3	...	...	...	1	...	...	...	5	14	...	1
Dr. C. E. Hilliard	Colored.	3,000		36.0		...	...	...	...	...	...	1	1	1	1	...	4	1	...	...	9		7	...
Charlotte	White.	9,000	14,000	13.3	18.0	3	...	...	...	...	...	...	...	1	1	1	2	2	..	...	10	21	4	2
Fred. Nash, Esq.	Colored.	5,000		26.4		1	...	...	...	...	...	...	2	...	1	2	3	1	1	...	11		2	3
Durham	White.	4,500	8,000	10.7	10.5	1	...	1	...	..	...	...	1	...	1	...	...	...	...	...	4	7	1	...
Dr. N. M. Johnson.	Colored.	3,500		10.3		...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	3		1	...
Fayetteville	White.	2,800	5,000	17.2	19.2	...	...	1	...	..	...	...	...	...	...	...	1	2	...	...	4	8	1	1
Dr. J. H. Marsh.	Colored.	2,200		21.8		...	...	1	...	...	...	...	2	...	...	...	...	1	...	...	4		1	...
Goldsboro	White.	2,800	5,000	17.2	26.4	.	...	...	...	...	...	...	...	...	1	...	1	2	...	...	4	11	3	...
May. D. J. Broadhurst	Colored.	2,200		38.2		...	...	...	...	...	...	...	1	1	...	...	2	2	1	...	7		3	...
Greensboro	White.	4,000	6,000	9.0	14.0	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	3	7	3	...
Dr. E R. Michaux.	Colored.	2,000		24.0		...	...	1	...	...	...	...	...	...	1	...	1	1	..	...	4		...	...
Henderson	White.	2,250	4,250	16.0	14.2	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	3	5	1	...
Dr. W. T. Cheatham.	Colored.	2,000		12.0		..	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		1	...
Hillsboro	White.	600	1,000	20.0	12.0	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1	...	...
Dr. D. C. Parris.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0		...	...
Lexington	White.	1,800	2,100	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Marion	White.	650	800	0.0	15.0	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. B. A. Cheek.	Colored.	150		80.0		...	...	...	...	...	..	...	...	...	...	...	1	...	...	...	1		...	...
Monroe	White.	1,500	2,000	8.0	18.0	...	..	...	...	...	...	...	...	...	...	...	...	...	1	...	1	3	...	...
Dr. W. D. Pemberton.	Colored.	500		48.0		...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	2		...	...
Morehead City	White.	1,385	1,620	26.0	29.6	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	3	4	3	...
Mayor T. C. Davis.	Colored.	235		51.1		...	...	...	...	..	...	...	1	...	...	...	...	...	...	...	1		...	...
Oxford	White.	1,700	3,300	14.1	32.8	...	...	...	..	...	...	...	...	...	...	...	...	2	...	...	2	9	...	...
Dr. Patrick Booth.	Colored.	1,600		52.5		1	...	...	...	2	...	...	...	...	...	1	1	2	...	...	7		5	1
Raleigh	White.	8,000	15,000	15.0	21.6	3	...	...	1	...	...	...	1	...	..	...	2	3	...	...	10	27	5	2
Dr. James McKee.	Colored.	7,000		29.1		1	...	2	...	...	...	...	2	...	3	...	3	6	...	...	17		9	...
Rockingham	White.	1,200	1,700	10.0	21.2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...
Dr. J. M. Stansill.	Colored.	500		48.0		...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		...	...
Rocky Mount	White.	1,200	1,600	30.0	37.4	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	3	5	1	...
Dr. G. L. Wimberley.	Colored.	400		60.0		1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2		...	...
Salem	White.	3,942	4,284	39.5	38.7	1	...	...	...	...	..	...	...	...	...	...	2	10	...	...	13	13	6	...
Mayor T. B. Douthit.	Colored.	342		0.0		...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salisbury	White.	3,500	5,000	3.4	4.8	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	2	...	1
Dr. J. J. Summerell.	Colored.	1,500		8.0		...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1		...	...
Scotland Neck	White.	700	1,100	51.4	43.6	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	3	4	...	...
Mayor J. A. Perry.	Colored.	400		30.0		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		3	...
Southport	White.	750	1,200	32.0	40.0	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	4	2	...
E. H. Cranmer, Jr.	Colored.	450		53.3		...	...	...	...	...	...	...	...	...	...	..	...	2	...	...	2		...	...
Statesville	White.	2,500	3,500	9.6	10.3	...	...	...	...	...	...	...	...	...	...	...	...	2	..	...	2	3	..	...
Dr. W. J. Hill	Colored.	1,000		12.0		...	...	..	...	...	...	...	...	...	...	...	...	1	...	...	1		...	...
Tarboro	White.	1,258	2,370	66.8	55.7	6	...	...	...	...	...	...	...	...	...	...	...	1	...	...	7	11	...	...
Dr. Donald Williams.	Colored.	1,112		43.2		2	...	...	...	...	...	...	1	...	...	...	...	1	...	...	4		2	...
Warrenton	White.	800	1,300	15.0	18.5	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	1	...
Dr. P. J. Macon.	Colored.	500		24.0		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Washington	White.	2,500	1,500	28.8	21.3	...	...	1	...	...	...	...	1	1	1	...	1	1	...	...	6	8	1	...
Dr. W. A. Blount.	Colored.	2,000		24.0		...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	2		...	...
Weldon	White.	700	1,500	17.1	56.0	..	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	7	...	1
Mayor J. T. Gooch.	Colored.	800		90.0		...	...	...	...	...	...	...	...	...	...	...	1	5	...	...	6		5	...
Wilmington	White.	10,000	22,000	16.8	23.5	2	...	2	...	...	...	...	...	1	3	...	2	4	...	...	14	43	2	2
Dr. J. C. Shepherd.	Colored.	12,000		29.0		...	...	4	...	1	...	...	2	4	2	...	12	4	...	...	29		13	1
Wilson	White.	2,000	3,500	24.0	24.0	1	...	...	...	1	...	...	1	...	...	...	1	...	...	...	4	7	2	...
Dr. Albert Anderson.	Colored	1,500		24.0		...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	3		1	...

Meteorological Summary for North Carolina, July, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).											No. of Days.				
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.	Mean Rel. Humidity.	Total Precipitation.	Clear.	Partly Cloudy.	Cloudy.	Rainy.	Prevailing Wind.
Asheville	71.4	90	13	82.2	53	5	60.5	37	21.7	71.4	2.12	19	10	2	10	N.
Bakersville	72.0	93	16	85.2	52	10	58.7	41	26.5	.....	2.97	12	9	4	12	.....
Blowing Rock	69.2	86	15	78.6	53	1	59.7	33	18.9	.....	5.08	17	12	2	5	N. W.
Columbus	72.4	88	6	80.6	56	1	64.3	32	16.3	.....	5.49	14	17	0	14	N.
Chapel Hill	82.2	104	15	97.0	60	28	67.3	44	29.7	.....	2.09	.....	.....	.....	8	.....
Goldsboro	80.7	98	7	90.5	63	29	70.9	35	19.6	.....	5.84	.....	.....	.....	13	.....
Littleton	80.0	100	26	92.5	58	27	67.5	42	25.0	.....	5.05	11	9	11	9	S. W.
Lenoir	75.7	92	15	82.9	65	10	70.2	27	13.7	.....	3.20	14	10	7	5	W.
Louisburg	79.0	95	7	87.4	62	28	70.7	33	16.7	.....	5.00	2	28	1	10	S. W.
Mt. Airy	76.2	95	26	89.0	58	4	63.6	37	25.4	.....	2.12	.....	.....	.....	8	S. W.
Mt. Pleasant	79.0	98	15	89.7	60	29	69.2	38	20.5	.....	2.08	11	14	6	6	S. W.
Morganton	78.4	94	15	87.1	62	4	67.7	32	19.4	.....	2.00	.....	.....	.....	5	.....
Newbern	77.0	92	6	85.1	59	13	68.8	33	16.3	.....	5.75	.....	.....	.....	11	.....
Oak Ridge	78.9	96	15	90.6	57	28	67.2	39	23.4	.....	1.44	16	10	5	8	S. W.
Pittsboro	77.0	95	7	86.9	57	11	67.0	38	19.9	.....	2.03	18	3	10	6	S. W.
Raleigh	79.8	100	7	90.7	62	28	69.0	38	21.7	71.8	3.79	11	17	3	9	N. W.
Rockingham	82.1	101	2	95.5	63	12	68.6	38	27.9	.....	7.51	.....	.....	.....	7	.....
Roxboro	79.5	100	26	91.0	56	28	68.0	44	23.0	.....	3.79	14	13	4	5	.....
Soapstone Mount	78.7	99	26	92.1	58	10	65.0	41	27.1	.....	3.46	7	16	8	7	S. W.
Saxon	77.6	100	15	93.2	52	28	62.1	48	31.1	.....	1.95	3	28	0	9	N. E.
Southern Pines	80.2	102	9	94.7	58	11	65.8	44	28.9	.....	6.06	17	8	6	10	S.
Salisbury	83.2	96	7	90.6	69	11	75.8	27	14.8	.....	2.07	.....	.....	.....	6	.....
Tarboro	81.2	102	8	93.7	58	28	68.7	44	25.0	.....	4.38	20	9	2	8	S. W.
Willeyton	78.0	97	8	88.8	57	28	67.2	40	21.6	.....	4.95	23	4	4	12	.....
Weldon	79.9	99	20	90.5	59	28	69.2	40	21.3	.....	5.52	17	11	3	10	S.
Wilmington	80.6	97	8	88.9	66	4	72.3	31	16.6	83.0	4.23	7	17	7	14	S. W.

STATE METEOROLOGICAL SUMMARY FOR JULY, 1893.

Mean Barometer, 30.03 inches; normal for July, 30.02. Highest Barometer, 30.28 on the 12th, at Raleigh. Lowest Barometer, 29.80 on the 23d, at Kitty Hawk.

Mean temperature, 78.3 degrees; normal for July, 77.8. Highest temperature, 104 on the 15th, 16th and 17th at Chapel Hill. Lowest temperature, 52 on the 4th, at Flat Rock and Highlands; on the 10th and 12th, at Bakersville: 27th, at Douglas: 28th, at Saxon.

Average rain-fall, 3.92 inches; normal for July, 5.44 inches. Greatest monthly rain-fall, 8.30 inches, at Wilmington. Least monthly rain-fall 1.51 inches at Auburn.

Average number of clear days, 14: partly cloudy, 12: cloudy, 5: rainy, 9.

Prevailing wind direction, south-west: average velocity, — miles per hour. Normal direction for July, south-west. Normal velocity, 6.7 miles per hour.

BULLETIN

OF THE

NORTH CAROLINA BOARD OF HEALTH.

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SUBSCRIPTION, 25 CENTS A YEAR.

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J. A. Hodges, M. D.....Wilmington.
S. Westray Battle, M. D.....Asheville.
W. H. Harrell, M. D.....Williamston.
Geo. Gillett Thomas, M. D...Wilmington.
W. H. G. Lucas, M. D.....White Hall.
Prof. F. P. Venable.....Chapel Hill.
J. C. Chase, Civ. Eng.....Wilmington.

Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

Entered at the Post-office at Raleigh, N. C., as third-class mail matter.

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The County Boards.

According to Section 8 of Chap. 214, Laws of 1893, "An Act Relating to the Board of Health," the biennial meetings of the Auxiliary or County Boards of Health are appointed for "the first Monday in September, 1893, and each two years thereafter." It is further provided in the same section that "in order to secure uniformity and certainty of action, it shall be the duty of the Secretary of the State Board of Health to mail to every person in the State eligible to membership in the County Boards of Health, whose address can be obtained, on or before the twentieth day of the August next preceding the time of meeting hereinbefore appointed, a printed notice of said meeting setting forth time and place." This was done by the Secretary this year for the first time and, while not what it might have been, the result was very gratifying. From reports so far received, sixteen new Auxiliary Boards of Health were organized and County Superintendents elected in as many counties, making the total number of counties now organized 83 as against 67 out of a possible 96. From only one of the remaining 13 has a report been received and that was of a very discouraging character. Its purport was that the physicians of the county were too indifferent to meet. One living in the town when sent for "came with reluctance." There are very many things we cannot understand, and one of them is why every worthy physician, who takes any interest or pride in his profession does not avail himself of every opportunity to aid in making his profession felt as a power in the land, more particularly when it is to appear as a power for good and the cost to himself in time and exertion is represented by a drive of a few miles and the occupation of an hour or two of his time *once in two years*. We say that we cannot understand why in so many instances our physicians relinquish to the County Commissioners by a simple failure to attend the biennial meeting of their County Board, the selection of their health officer; but we know that many most excellent men, some of our best, do this very thing, when there is no valid reason for it. We hope,

however, that two years hence there may be no ground for complaint from any quarter.

Another gratifying result of the thorough notification by the State Secretary was as a general thing the very much larger attendance upon the meetings, and more interest shown than was ever before known. On one ballot at the meeting of the Wake County Board thirty-eight votes were cast, whereas at the meeting one year before the total number present was *five*. We feel that the noble cause of preventive medicine in North Carolina is looking up.

Supplies in the way of blanks for reports, instructions for quarantine and disinfection, placards of communicable diseases, etc., have been sent to all the new Superintendents.

If any Superintendent, new or old, needs anything let him oblige the Secretary by writing to him for it.

Summary of Reports from County Superintendents for August, 1893.

(SIXTY-ONE COUNTIES REPORTING).

ALAMANCE—Dr. Geo. W. Long, Graham. Two cases of typhoid and three of malarial fever reported. The sanitary condition of the public buildings is fair except the jail, and it is next to imposible to keep that clean and comfortable.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Seven cases of typhoid fever. The Home is in good sanitary condition, but the jail is not. There has been one death from typhoid fever in the jailer's family.

ALLEGHANY—A County Board of Health was organized September 4th, with Dr. C. G. Fowlkes, of Topia, President, and Dr. Robert Thompson, of Sparta, Secretary. Dr. C. G. Fowlkes was elected Superintendent of Health.

ANSON—Dr. E. S. Ashe, Wadesboro. No report.

ASHE—No news received.

BEAUFORT—Dr. Wm. A. Blount, Washington. No disease reported. A new jail is in process of erection. The accommodations at the Home are very good.

BERTIE—No news received.

BLADEN—No election held.

BRUNSWICK—No news received.

BUNCOMBE—Dr. Chas. E. Hilliard, Asheville. A few cases of typhoid fever of mild form. Ten cases of diphtheria, nine from Leicester township and vicinity. Acute intestinal disorders have prevailed in some parts of the county.

BURKE—Dr. J. L. Laxton, Morganton. Three cases of typhoid fever. The health of the county has not been better in twenty-five years. The jail is a miserable old affair and should be torn down and a new one built, but it is kept in as good sanitary condition as such a building can be kept. The Home is in good condition.

CABARRUS—A County Board of Health was organized September 4, and Dr. Robt. S. Young, of Concord, was elected Superintendent of Health.

CALDWELL—Dr. A. A. Kent, Lenoir. Typhoid fever (fifteen cases reported) has prevailed in all portions of the county, believed to be due to local causes. A few cases of sporadic diphtheria have been reported; two deaths from it in one family. The sanitary condition of the Home is good; that of the jail is as good as such an unsanitary building will admit of. Dr. Kent was re-elected.

CAMDEN—No news received.

CARTERET—At the recent meeting of the County Board of Health, September 4, Dr. G. N. Ennett, of Cedar Point, was elected Superintendent of Health.

CASWELL—Dr. W. O. Spencer, Yanceyville. One case of scarlatina. So far as known the sanitary condition of the county is very good and the general health of the county is exceptionally good. The condition of the Home is very good except that water-closets are needed badly. A contract for their construction has been let. The

condition of the jail could be improved considerably, though with the present building it would be hard to make it first-class.

CATAWBA—Dr. Geo. H. West, Newton. Nine cases of typhoid fever. Gastric fever has prevailed in the central and southern parts of the county. The public buildings are in good sanitary condition, clean and well ventilated.

CHATHAM—Dr. W. E. Headen, Pittsboro. Very little sickness. The sanitary condition of the public buildings is good. There has been a general cleaning up with much improvement.

CHEROKEE—Dr. J. F. Abernathy, Murphy. Typhoid fever, twelve cases. The county is in fair sanitary condition though there are some ponds too much exposed to the heat of the sun on account of scarcity of water to be very salubrious, but we have no remedy at hand. Bilious fever has prevailed in various parts. The jail is not in good condition. The sewer is not kept flushed with water, probably owing to scarcity of that article. We have had three cases of bilious fever in the jail.

CHOWAN—A County Board of Health was organized September 4, with Dr. Richard Dillard, of Edenton, President, and Dr. T. J. Hoskins, of Edenton, Secretary. Dr. R. H. Winborne, of Barnitz, was elected Superintendent of Health.

CLAY—A County Board of Health was organized September 4, with Dr. W. J. R. McConnell, of Hayesville, President, and Dr. C. C. Standridge, of Hayesville, Secretary. Dr. George T. Hine, of Warne, was elected Superintendent.

CLEVELAND—Dr. O. P. Gardner, Shelby. Four cases of diphtheria and thirty of typhoid fever. The typhoid fever has prevailed in various parts, but is mild, except in one township, in which four deaths have occurred during the month. The public buildings are in fairly good condition. Dr. Gardner was re-elected Superintendent of Health.

COLUMBUS—Dr. I. Jackson, Whiteville. Very little malarial fever, but typhoid or a continued form of fever has prevailed in nearly every neighborhood in the county, but to a limited extent, except in the western portion, where Dr. McGougan reports it prevailing extensively, and he attributes it to bad sewerage and neglect of the laws of sanitation. The condition of the public buildings is good.

CRAVEN—Dr. Leinster Duffy, Newbern. Intermittent, malarial and typhoid fevers have prevailed to some extent in city and throughout county. The public buildings are in fair condition.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. Malarial fever has occurred in town and county. There have been about twenty-five cases of typhoid fever with three deaths. Work has commenced on our new court-house, which will be a credit to the county when completed. (This new building was referred to last month by mistake as the jail). Dr. Marsh has been re-elected, Superintendent of Health.

CURRITUCK—No news received.

DARE—Dr. W. H. Peterson, of Manteo, was elected Superintendent of Health.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. Typhoid and malarial fevers have prevailed in scattered portions of the county. Dr. Payne was re-elected Superintendent of Health.

DAVIE—Dr. James McGuire, of Mocksville, is the new Superintendent of Health.

DUPLIN—Dr. James W. Blount, Kenansville. Typhoid fever and malarial fever have prevailed in some parts of the county. There has been an epidemic of hog cholera. The sanitary condition of the county and public buildings is good. At the meeting of the County Board on September 4, Dr. W. P. Kennedy, of Warsaw, was elected Superintendent of Health.

DURHAM—Dr. N. M. Johnson, Durham. Whooping-cough has prevailed. Less sickness than usual for August. The condi-

tion of the public buildings is good. At the meeting of the County Board of Health on September 4, Dr. J. M. Manning, of Durham, was elected Superintendent of Health.

EDGECOMBE—Dr. Donald Williams, Tarboro. One case of scarlet fever. There has been more intermittent fever than for several years. The public buildings are clean and well kept.

FORSYTH—Dr. D. N. Dalton, Winston. Two cases of diphtheria and a few of typhoid fever. The sanitary condition of the county and public buildings is good. Dr. Dalton was re-elected Superintendent of Health at the meeting of the County Board of Health. Chairman of Board of County Commissions, M. D. Baily, was elected President, and Dr. E. F. Strickland, Secretary.

FRANKLIN—Dr. E. S. Foster, Louisburg. Typhoid fever has prevailed in several parts of the county, probably eight or ten cases. The condition of the public buildings is very good. There has been but one case of serious sickness in jail since we have had a Board of Health.

GASTON—Dr. J. H. Jenkins, Dallas. Five cases of typhoid fever reported. The sanitary condition of the county and public buildings is good.

GATES—A County Board of Health was organized September 4. Dr. I. W. Costen, of Gatesville, was elected President and Superintendent of Health, and Dr. R. C. Smith, of Gatesville, Secretary.

GRAHAM—A County Board of Health was organized September 4, with Dr. G. C. Davis, of Cheoh, President, and S. H. McNeely, of Stecoah, Secretary. Dr. M. T. Maxwell, of Robbinsville, was elected Superintendent of Health.

GRANVILLE—Dr. Patrick Booth, Oxford. Five cases of whooping-cough and two of typhoid fever. The sanitary condition of the county and public buildings is the same as last month. Dr. Booth was on September 4 re-elected Superintendent of Health.

GREENE—Dr. E. H. Sugg, Snow Hill. Malaria has prevailed. The sanitary condition of the county and public buildings is good.

GUILFORD—Dr. E. R. Michaux, Greensboro. No report. At the meeting of the County Board of Health on September 4, Dr. Albert R. Wilson, of Greensboro, was elected Superintendent of Health. After the meeting a County Medical Society was organized, with Dr. M. F. Fox, President, and Dr. D. R. Schenck, Secretary.

HALIFAX—Dr. I. E. Green, Weldon. One case of hemorrhagic malarial fever. Malarial diseases have prevailed to a considerable extent along the river.

HARNETT—A County Board of Health was organized September 4, and Dr. Robt. B. Wilson, of Bunn's Level, was elected Superintendent of Health; Dr. B. F. Shaw, of Lillington, was elected Secretary.

HAYWOOD—Dr. J. Howell Way, Waynesville. In addition to five cases of typhoid fever several cases of simple continued or "mountain fever" are reported—cases having a mild degree of fever for from ten to twenty days, having no typhoid symptoms, no diarrhœa, no tympanites, temperature rarely if ever above 102, pulse 80 to 100, tongue coated with dirty white fur, fair (often extra good) appetite. The differentiation of such cases from genuine typhoid is often very difficult. In practice, I diet and disinfect dejecta as though they were typhoid cases, believing it the safer plan. I feel we have scored our first victory for modern sanitation. The County Commissioners this week authorized the putting in the jail of water, improved commodes and urinals with soil pipes, which will be done ere this appears in print. This supersedes a bucket (commode?) and a tin gutter (urinal?). I have had the important section of the sanitary law of the State relative to disinfection of typhoid

fever stools published in our county papers. There has been an epidemic of hog cholera.

HENDERSON—Dr. J. L. Egerton, Hendersonville. Four cases of typhoid fever. Slight catarrhal fevers have prevailed in some parts of the county. At the meeting of September 4 Dr. T. A. Allen was elected Chairman and Dr. J. K. S. Case, Secretary; Dr. Egerton was re-elected Superintendent of Health. The sanitary condition of the public buildings is good.

HERTFORD—A County Board of Health was organized September 4, and Dr. John W. Taylor, of Union, was elected Superintendent of Health.

HYDE—No news received.

IREDELL—Dr. W. J. Hill, Statesville. Seven cases of typhoid fever. Nothing has been effected yet in the way of improving the jail and Home, except that the Commissioners have been considering the necessities of the case and the proper way of meeting them.

JACKSON—A County Board of Health was organized September 4, with the Chairman of the Board of County Commissioners, S. H. Bryson, of Balsam, President, and Dr. J. H. Wolff, of Sylva, Secretary. Dr. W. F. Tompkins, of Webster, was elected Superintendent of Health.

JOHNSTON—Dr. R. J. Noble, Smithfield. No diseases reported. We are trying to have a sewer put in from the jail to the river; when that is done I think our sanitary condition will be good. Dr. Noble was re-elected Superintendent of Health.

JONES—A County Board of Health was organized September 4, with Dr. E. W. Ward, of Pollocksville, President, and J. A. Smith, Chairman of the Board of County Commissioners, Secretary. Dr. R. A. Whitaker, of Trenton, was elected Superintendent of Health.

LENOIR—Dr. C. B. Woodley, Kinston. Malarial fever has prevailed in nearly all parts of the county.

LINCOLN—Dr. W. L. Crouse, Lincolnton. A few cases of typhoid fever scattered here and there. County healthy. The jail is undergoing repairs. It will be made as healthy as possible and supplied with pure water. The Home is well kept and healthy. Distemper in horses reported.

MACON—Dr. S. H. Lyle, Franklin. Scarlatina reported from Highlands; three cases. Typhoid fever has prevailed in Smith's Bridge township; ten cases reported. Two cases of diphtheria reported.

MADISON—A County Board of Health was organized September 4, and Dr. James K. Hardwicke, of Marshall, was elected Superintendent of Health.

MARTIN—Dr. W. H. Harrell, Williamston. No report.

McDOWELL—Dr. B. A. Cheek, Marion. One case of typhoid fever. Bowel troubles have prevailed in different parts of the county. The sanitary condition of the public buildings is good, and all precautions are taken to keep them so. Dr. Cheek was re-elected Superintendent of Health.

MECKLENBURG—Dr. Hillary M. Wilder, Charlotte. Twenty-one cases of typhoid fever reported. Typho-malarial fever has prevailed in the city and other parts of the county. I was called during the month (August) to inspect the sanitary condition of Matthews Station, and found the water, as well as the town, in very good condition.

MITCHELL—Dr. W. P. Upton, Bakersville. We have had quite an epidemic of dysentery in a part of the county; there have been probably sixty-one cases, with twenty-seven deaths. The sanitary condition of the Home is good; the jail is a filthy old hull and cannot be kept any more decent. Dr. Upton was re-elected Superintendent of Health. Dr. B. L. Prestwood was elected President of the County Board of Health, and Dr. M. F. Penland Secretary.

MONTGOMERY—No news received.

MOORE—Dr. Gilbert McLeod, Carthage. Less sickness in August than in July, but

a mild form of remittent fever has prevailed more or less throughout the county. Three cases of typhoid fever reported from Eagle Springs, but no deaths from it. The county is in good sanitary condition now, and we do not expect new cases of fever. The public buildings are in good condition and the inmates are well. A new, comfortable cottage has been completed at the Home. Chicken cholera has prevailed.

NASH—Dr. J. J. Mann, Nashville. Typhoid fever is prevailing in all parts of the county. The public buildings are in good condition. Dr. Mann was re-elected Superintendent of Health.

NEW HANOVER—Dr. J. C. Shepard, Wilmington. Two cases of measles, five of typhoid fever and three of pernicious malarial fever reported. Malarial and gastro-intestinal diseases are the most prevalent. The sanitary condition of the public buildings is very good.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. Seven cases of typhoid fever reported. The condition of the county is very unsanitary. The bottoms of mill-ponds are exposed in many parts, causing more than the usual amount of sickness from malaria. The public buildings are in good condition. Hog cholera is reported.

ONSLOW—Dr. E. L. Cox, Jacksonville. A few cases of whooping-cough and four of typhoid fever. Dysentery and malarial fever have prevailed on the coast and waters of New River. The sanitary condition of the county is fair. We have had very high tide in New River for some weeks, probably causing the malaria. The Board of Health sent in a request to the County Commissioners to make some repairs on the County Home, such as window sash and ceiling the buildings. Hog cholera is reported.

ORANGE—Dr. D. C. Parris, Hillsboro. A few cases of whooping-cough reported. One case of typhoid fever. Remittent fever has prevailed in nearly all parts of the county. The sanitary condition of the public buildings is good except the jail. The Commissioners are considering plans for the arrangement of a better and more perfect disposal of human excrement. At the meeting of the County Board of Health Dr. D. C. Parris was elected President and Dr. C. D. Jones Secretary and Superintendent of Health.

PAMLICO—No news received.

PASQUOTANK—No news received.

PENDER—Dr. Walter C. Murphy, Burgaw. Two cases of typhoid fever reported. There have been some cases of malarial fever, but not so numerous as in former years. The sanitary condition of the public buildings is good.

PERQUIMANS—A Board of Health was organized September 4, and Dr. J. T. Smith, of Hertford, was elected Superintendent of Health.

PERSON—A County Board of Health was organized September 4, and Dr. C. G. Nichols, of Roxboro, was elected Superintendent of Health.

PITT—Dr. B. T. Cox, Redallia. Remittent, intermittent and typhoid fevers have prevailed in all parts of the county. Two cases of pernicious malarial fever. There has been an epidemic of hog cholera. The keeper of the Home is negligent about some of his duties. At the meeting of the County Board of Health Dr. W. H. Bagwell, of Greenville, was elected Superintendent of Health.

POLK—No news received.

RANDOLPH—Dr. J. M. Boyette, Ashboro. From official reports the sanitary condition of the county is good, still there are cases of typhoid fever (nine reported) and slow fevers of a different nature reported from all parts of the county. (Dr. Boyette has just recovered from a four weeks' attack himself). The sanitary condition of the jail and Home is good, could hardly be improved. The jailer and steward of the poor could not be improved upon.

RICHMOND—Dr. J. M. Stansill, Rockingham. Three cases of scarlatina, one of diphtheria and seven of typhoid fever reported. The sanitary condition of the public buildings is good. There is one prisoner too many in the jail. Improvement is going on at the Home. At the meeting of the County Board of Health Dr. D. M. Prince, of Laurinburg, was chosen President, and Mr. Cameron Morrison, the Mayor of the town, Secretary; Dr. J. M. Covington, of Rockingham, was elected Superintendent of Health; his term of office begins January, 1894.

ROBESON—Dr. R. F. Lewis, Lumberton. Several cases of whooping-cough, one of scarlatina, one of diphtheria and three of typhoid fever reported. Malarial fevers have prevailed in several parts of the county. A new County Home is under erection. The jail is being ventilated and a proposed enlargement has been agreed to by the Commissioners. Hog cholera reported.

ROCKINGHAM—A County Board of Health was organized September 4, with Dr. Sidney Martin, of Leaksville, President, and Dr. T. E. Balsley, of Reidsville, Secretary. Dr. D. W. Courts, of Reidsville, was elected Superintendent of Health.

ROWAN—Dr. J. J. Summerell, Salisbury. A few cases of typhoid fever, but our county and town are in good sanitary condition and good health generally prevails. There are some chills and fevers on the water courses; very rarely a case in Salisbury as yet, though after the great storm and freshet, if it becomes warm and dry, we may expect the usual fall visitation. It is a matter of fact, however, that for some years malarial diseases have become much milder than formerly, the reason of which may be the cheapness of sulphate of quinine. Everybody keeps it and rarely are the sick permitted to have a second chill.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. A mild form of fever and a few cases of typhoid fever reported. The sanitary condition of the county is very good, especially since the last rains.

SAMPSON—Dr. J. A. Stevens, Clinton. A few cases of typhoid and malarial fevers. There has been an epidemic of hog cholera. The sanitary condition of the new jail is excellent; the Home is well kept. Dr. Stevens was re-elected Superintendent of Health.

STANLY—Dr. A. C. Boyles, New London. No report.

STOKES—Dr. J. W. Neal, Meadows. Two cases of diphtheria, six of typhoid fever, and eight of malarial fever. The sanitary condition of the county and public buildings is good. The jail has been newly covered.

SURRY—No news received.

SWAIN—Dr. R. L. Davis, Bryson City. No news of what was done by the County Board of Health. Three cases of typhoid fever reported. The sanitary condition of the county and public buildings is fairly good. The court-house has just been repaired and put in good order. The Commissioners have established a Home for the paupers, which in a few weeks will be in operation.

TRANSYLVANIA — A County Board of Health was organized September 4, with C. L. Osborne, Esq., President, and Dr. J. H. Morgan, Secretary. Dr. A. E. Lydey, of Calhoun, was elected Superintendent of Health.

TYRRELL—Dr. Ab. Alexander, Columbia. One case of typhoid fever reported. The sanitary condition of the county is good; that of the public buildings is bad. Dr. Alexander was re-elected Superintendent of Health.

UNION—Dr. J. H. Blair, Monroe. No report.

VANCE—Dr. W. T. Cheatham, Henderson. No diseases reported. The sanitary condition of the public buildings is good.

WAKE — Dr. James McKee, Raleigh. Two cases of whooping-cough, two of scar-

latina and five of typhoid fever reported. There is more or less of remittent and intermittent fever prevalent throughout the county, attributed to want of proper drainage. The sanitary condition of the public buildings is good. Dr. P. E. Hines, of Raleigh, was elected Superintendent of Health, his term of office beginning September 4, 1894.

WARREN—Dr. P. J. Macon, Warrenton. A few cases of typhoid fever reported. Malarial fever has prevailed in all parts of the county. The sanitary condition of the public buildings is very good.

WASHINGTON—No Board of Health has been organized.

WATAUGA—Dr. W. B. Councill, Boone. Health of county remarkably good; nothing for doctors to do. One mild case of typhoid fever, contracted in Tennessee. The public buildings are in first-class order. Dr. Councill was re-elected Superintendent of Health for two years from September 4.

WAYNE—Dr. John Spicer, Goldsboro. The county and public buildings are in good sanitary condition. No diseases reported. Dr. W. J. Jones, Jr., of Goldsboro, was elected Superintendent of Health.

WILKES—A County Board of Health was organized September 4, and Dr. J. W. White, of Wilkesboro, was elected Superintendent of Health.

WILSON—Dr. Albert Anderson, Wilson. Three cases of typhoid fever reported. Remittent and intermittent fevers have prevailed in all parts of the county. The sanitary condition of the public buildings is good. Dr. Anderson was re-elected Superintendent of Health.

YADKIN—The physicians of the county failed to meet on the 4th of September, and the County Commissioners, as required by law in such cases, chose a County Superintendent of Health—Dr. T. R. Harding, of Yadkinville. Typhoid fever has prevailed in mild form in nearly all parts of the county.

YANCEY—Dr. J. L. Ray, Burnsville. A few cases of typhoid fever reported. Whooping-cough and dysentery have prevailed in some parts of the county. The jail is filthy owing to neglect. The Home is moderately well kept. The jail and Home are both sufficient so far as the houses are concerned.

Review of Diseases for August, 1893.

CHOLERA, IN HOGS—From Duplin, Pitt, Sampson, Northampton, Onslow and Robeson.

CHOLERA, IN CHICKENS—From Moore.

DIPHTHERIA—From Buncombe, Caldwell, Cleveland, Forsyth, Macon, Richmond and Robeson.

DISTEMPER, IN HORSES—From Lincoln.

DYSENTERY—From Mitchell (epidemic), Onslow and Yancey.

INTESTINAL DISEASES—From Buncombe and New Hanover.

MALARIAL FEVER—From Alamance, Columbus, Craven, Cumberland, Davidson, Duplin, Edgecombe, Green, Halifax, Moore, New Hanover, Onslow, Pender, Pitt, Robeson, Rowan, Sampson, Wake, Warren and Wilson—20 counties.

MALARIAL FEVER, HEMORRHAGIC—From Halifax.

MALARIAL FEVER, PERNICIOUS—From New Hanover and Pitt.

MALARIAL FEVER, TYPHO—From Mecklenburg.

MEASLES—From New Hanover.

SCARLATINA—From Caswell, Edgecombe, Macon, Richmond, Robeson and Wake.

TYPHOID FEVER—From Alamance, Alexander, Buncombe, Burke, Caldwell, Catawba, Cherokee, Cleveland, Columbus, Craven, Cumberland, Davidson, Duplin, Forsyth, Franklin, Gaston, Granville, Haywood, Henderson, Iredell, Lincoln, McDowell, Macon, Mecklenburg, Moore, Nash, New Hanover, Northampton, Orange, Onslow, Pender, Pitt, Randolph, Rich-

mond, Robeson, Rowan, Rutherford, Sampson, Swain, Tyrrell, Wake, Warren, Watauga, Wilson, Yadkin and Yancey—46 counties.

WHOOPING-COUGH—From Durham, Granville, Onslow, Orange, Robeson, Wake and Yancey.

Summary of Mortuary Reports for August, 1893.

(TWENTY-FIVE TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	74,150	50,354	124,504
Aggregate deaths	75	104	179
Representing annual death-rate per 1,000	12.1	24.8	17.1

Causes of death.			
Typhoid Fever	7	6	13
Malarial Fever	4	7	11
Whooping-cough	0	2	2
Pneumonia	1	2	3
Consumption	11	24	35
Brain diseases	4	1	5
Heart diseases	6	4	10
Neurotic diseases	3	1	4
Diarrhœal diseases	18	15	33
All other diseases	20	36	56
Accident and Violence	1	5	6
Suicide	0	1	1
	75	104	179
Deaths under 5 years	31	36	67
Still-born	5	9	14

Condition of Jails and County Homes by Counties for August, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	15 (*a*)	800	.....	.....	31	1000	.....	.....
Alexander	3	.....	.....	.....	10	.....	.....	.....
Ashe	.....	.....	.....	.....	.....	.....	.....	.....
Alleghany	.....	.....	.....	.....	.....	.....	.....	.....
Anson	.....	.....	.....	.....	.....	.....	.....	.....
Beaufort	8	400	.....	2	15	400	.....	0
Bertie	.....	.....	.....	.....	.....	.....	.....	.....
Bladen	.....	.....	.....	.....	.....	.....	.....	.....
Brunswick	.....	.....	.....	.....	.....	.....	.....	.....
Buncombe	58 (*b*)	.....	.....	.....	27	.....	.....	.....
Burke	12	400	7	.....	11	500	4	.....
Cabarrus	.....	.....	.....	.....	.....	.....	.....	.....
Caldwell	4	*	0	3	8	*	4	3
Camden	.....	.....	.....	.....	.....	.....	.....	.....
Carteret	.....	.....	.....	.....	.....	.....	.....	.....
Caswell	3	.....	.....	.....	18	.....	.....	.....
Catawba	3	.....	1	3	26	.....	5	21
Chatham	7	.....	.....	.....	27	.....	.....	.....
Cherokee	6	.....	3	2	2	.....	.....	.....
Chowan	.....	.....	.....	.....	.....	.....	.....	.....
Clay	.....	.....	.....	.....	.....	.....	.....	.....
Cleveland	29	1000	.....	19	22	1000	.....	4
Columbus	4	*	.....	4	13	*	.....	0
Craven	12	1000	5	7	18	*	15	3
Cumberland	.....	.....	.....	.....	19	.....	.....	.....
Currituck	.....	.....	.....	.....	.....	.....	.....	.....
Dare	.....	.....	.....	.....	.....	.....	.....	.....
Davidson	7	*	0	0	25	720	0	2
Davie	.....	.....	.....	.....	.....	.....	.....	.....
Duplin	0	.....	.....	.....	9	.....	.....	.....
Durham	45 (*c*)	1000	.....	.....	17	1000	.....	.....
Edgecombe	4	*	1	2	30	*	4	5
Forsyth	8	*	3	4	28	*	8	4

* Space exceeds 1,000 cubic feet. (*a*) Includes 4 in House of Correction. (*b*) Includes 50 in House of Correction. (*c*) Includes 23 in House of Correction.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	6	1000	1	3	21	500	6	1
Gaston								
Gates								
Graham								
Granville	4	*	0	11	30	(*a*)	0	9
Greene	2	500		1	8	1000		1
Guilford								
Halifax	5	1000	3	3	52	700	13	7
Harnett								
Haywood	15		0	10				
Henderson	7				2			
Hertford								
Hyde								
Iredell					21			
Jackson								
Johnston	18	800		8	13	*		0
Jones								
Lenoir	9	*	1	4				
Lincoln					24			8
McDowell	11		0	1	13		0	1
Macon	6		2	5				
Madison								
Martin								
Mecklenburg	101 (*b*)	*	0		64	*		
Mitchell								
Montgomery								
Moore	7	*	0	0	10	1000	2	3
Nash	3	600		3	31	1000	4	5
New Hanover	27 (*c*)	300	4	5	20	*	4	2
Northampton	6	500			24	800		
Onslow	1	*	0		4	*	0	1
Orange	6	1000	2	3	13	*	7	4
Pamlico								

* Space exceeds 1,000 cubic feet. (*a*) Crowded. (*b*) Includes 92 in House of Correction. (*c*) Includes 14 in House of Correction.

Condition of Jails and County Homes by Counties.—Continued.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender	2		0		4		0	
Perquimans								
Person								
Pitt					18			
Polk								
Randolph	18				39			
Richmond	19		4	8	13		2	1
Robeson	14	500			7	1000		
Rockingham								
Rowan	4	*	0	3	20	*	0	0
Rutherford	14	700			26	800		
Sampson	4				20			
Stanly								
Stokes	7	500	3	4	15	400	5	2
Surry								
Swain	4							
Transylvania								
Tyrrell	0				0			
Union								
Vance	6	*	1	3	26	*	2	2
Wake	82 (*a*)	*			60			
Warren	5	*		3	20	*		2
Washington								
Watauga	5				7			
Wayne	18	952	1	3	8	*	0	0
Wilkes								
Wilson	9	*	2	3	24	*	1	3
Yadkin								
Yancey	4	*	1	2	3	*		

* Space exceeds 1,000 cubic feet. (*a*) Includes 60 in House of Correction.

Mortuary Report for August, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident and Violence.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	7,500	10,500	12.8	12.6	...	...	...	...	...	...	...	4	1	...	...	1	2	...	...	8	11	3	2
Dr. C. E. Hilliard	Colored.	3,000		12.0		...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	3		2	1
Charlotte	White.	9,000	14,000	12.0	17.1	2	...	...	...	...	...	...	2	...	2	...	...	3	...	...	9	20	2	...
Fred. Nash, Esq.	Colored.	5,000		26.4		1	...	...	...	...	...	1	4	...	...	...	2	2	...	1	11		1	1
Durham	White.	4,500	8,000	8.0	9.0	...	...	1	...	...	...	...	...	...	...	1	1	...	...	...	3	6	1	...
Dr. N. M. Johnson.	Colored.	3,500		10.3		...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	3		1	...
Fayetteville	White.	2,800	5,000	21.4	21.6	2	...	...	...	...	...	...	1	...	...	...	...	2	...	...	5	9	1	...
Dr. J. H. Marsh.	Colored.	2,200		21.8		1	...	1	...	...	...	...	...	...	...	...	...	2	...	...	4		1	1
Goldsboro	White.	2,800	5,000	12.9	21.6	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	3	9	1	...
May. D. J. Broadhurst	Colored.	2,200		32.7		...	...	...	...	...	...	...	1	...	...	...	1	4	...	...	6		3	1
Henderson	White.	2,250	4,250	0.0	5.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
Dr. W. T. Cheatham.	Colored.	2,000		12.0		...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2		2	...
Hillsboro	White.	600	1,000	20.0	12.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. D. C. Parris.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Lexington	White.	1,800	2,100	13.3	11.4	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	2	2	1	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Marion	White.	650	800	15.9	30.0	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	2	...	...
Dr. B. A. Cheek.	Colored.	150		80.0		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1		...	...
Monroe	White.	1,500	2,000	8.0	12.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	...	1
Dr. W. D. Pemberton.	Colored.	500		24.0		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Oxford	White.	1,700	3,300	21.2	14.5	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	3	4	...	...
Dr. Patrick Booth.	Colored.	1,600		7.5		...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1		1	...
Raleigh	White.	8,000	15,000	7.5	16.0	...	...	...	...	...	...	...	...	...	...	...	3	2	...	...	5	20	4	2
Dr. James McKee.	Colored.	7,000		25.7		...	...	2	...	1	...	...	3	1	...	...	3	5	...	...	15		8	2
Rockingham	White.	1,200	1,700	20.0	14.1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	2	1	...
Dr. J. M. Stansill.	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Rocky Mount	White.	1,200	1,600	30.0	22.5	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	3	3	...	...
Dr. G. L. Wimberley.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salem	White.	3,942	4,284	15.2	14.0	1	...	...	...	...	...	1	...	...	2	...	...	1	...	...	5	5	2	...
Mayor T. B. Douthit.	Colored.	342		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salisbury	White.	3,500	5,000	3.4	14.4	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	6	1	...
Dr. J. J. Summerell.	Colored.	1,500		40.0		...	...	...	...	...	...	...	1	...	...	...	1	1	2	...	5		1	...
Scotland Neck	White.	700	1,100	17.1	21.8	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	1	...
Mayor J. A. Perry.	Colored.	400		30.0		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Southport	White.	750	1,200	16.0	20.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	1	...
Mr. E. H. Cranmer, Jr.	Colored.	450		26.7		...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1		...	...
Statesville	White.	2,500	3,500	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. W. J. Hill	Colored.	1,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Tarboro	White.	1,258	2,370	9.4	10.1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...
Dr. Donald Williams.	Colored.	1,112		10.8		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1		...	...
Warrenton	White.	800	1,300	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. P. J. Macon.	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Washington	White.	2,500	4,500	24.0	37.5	...	...	1	...	...	...	...	...	1	...	...	2	1	...	...	5	14	4	...
Dr. W. A. Blount.	Colored.	2,000		54.0		...	...	1	...	...	...	...	1	...	...	1	2	4	...	...	9		2	...
Weldon	White.	700	1,500	17.1	24.0	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...
Mayor J. T. Gooch.	Colored.	800		30.0		...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		...	...
Wilmington	White.	10,000	22,000	14.4	26.2	1	...	1	...	...	...	...	1	1	1	...	5	2	...	...	12	48	7	...
Dr. J. C. Shepherd.	Colored.	12,000		36.0		2	...	3	...	...	...	10	...	4	...	3	12	2	...	...	36		14	3
Wilson	White.	2,000	3,500	12.0	13.7	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	2	4	1	...
Dr. Albert Anderson.	Colored.	1,500		16.0		...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		...	...

Meteorological Summary for North Carolina, August, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	70.4	88	25	81.4	52	14	59.4	36	22.0	70.8	6.24	13	13	5	9	N.
Bakersville	67.9	88	26	81 7	44	15	54.1	44	27.6	.....	8.11	.....	.....	.....	11	.....
Blowing Rock	66.6	84	11	77.9	41	15	55.2	43	22.7	.....	7.67	19	7	5	6	N. W.
Charlotte	75.2	93	25	84.0	58	15	66.5	35	17.5	78.0	9.81	12	6	13	10	E.
Chapel Hill	77.6	98	12	88.6	59	8 14	66.5	39	22.1	.....	9.13	.....	.....	.....	13	S. W.
Horse Cove	70.8	85	25	79.7	55	15	61.0	30	18.7	.....	8.31	13	12	6	12	N. E.
Littleton	76.8	97	25	87.1	59	13 31	66.5	38	20.6	.....	3.44	7	9	15	12	S. W.
Lenoir	72.0	89	25	79.5	54	15	66.2	35	13.3	.....	7.50	13	11	7	5	N. E.
Louisburg	74.9	88	11 12	81.8	59	15 16	68.0	29	13.8	.....	4.87	5	10	16	11	S. W.
Mt. Airy	72.8	95	25	84.5	48	15	61.0	47	23.5	.....	6.21	10	12	9	5	S. W.
Mt. Pleasant	75.0	91	20 25	85.3	59	15	67.1	32	18.2	.....	9.09	10	7	14	13	S. E.
Marion	72.2	94	25	84.0	50	18	60.3	44	23.7	.....	6.91	.....	.....	.....	6	.....
Newbern	74.4	87	29	80.6	56	16	68.2	31	12.4	.....	9.33	.....	.....	.....	15	.....
Oak Ridge	74.0	93	25	84.4	54	15	63.5	39	20.9	.....	8.26	13	8	10	14	N. E.
Pittsboro	74.0	87	27	81.6	59	9 15	66.4	28	15.2	.....	5.10	5	14	12	9	N. E.
Raleigh	76.0	93	25	84.1	61	16	67.9	32	16.2	81.0	7.80	9	8	14	10	N. E.
Rockingham	77.2	91	12	86.7	61	16	67.6	30	19.1	.....	10.16	.....	.....	.....	11	.....
Roxboro	75.6	95	12	85.9	57	15	65.3	38	20.6	.....	8.52	14	7	10	7	.....
Soapstone Mount	74.6	91	25	85.8	54	8 15	63.3	37	22.5	.....	6.89	6	16	9	9	N. E.
Saxon	72.8	93	19	86.2	49	17	59.5	44	26.7	.....	10.87	6	17	8	8	N. E.
Southern Pines	75.3	94	17	86.7	56	15	63.9	38	22.8	.....	5.12	14	7	10	9	S. E.
Salisbury	77.5	90	29	84.9	61	15	70.1	29	14.8	.....	7.35	.....	.....	.....	7	.....
Tarboro	77.6	95	25	88.1	55	16	67.2	40	20.9	.....	5.15	12	10	8	8	E.
Willeyton	75.6	93	25	85.1	53	16	66.1	40	19.0	.....	4.73	6	15	10	8	.....
Weldon	76.6	94	12	86.0	55	16	67.3	39	18.7	.....	2.72	12	11	8	11	N.
Wilmington	77.6	89	12	84 1	62	15	71.0	27	13.1	86.0	8.01	5	9	17	18	S. W.

STATE METEOROLOGICAL SUMMARY FOR AUGUST, 1893.

Mean Barometer, 29.98 inches; normal for August, 30.03. Highest Barometer, 30.19 on the 3d, at Lynchburg, Va. Lowest Barometer, 29.13 on the 28th, at Charlotte.

Mean temperature, 74 9 degrees; normal for August, 75.8. Highest temperature, 98 on the 12th, at Chapel Hill. Lowest temperature, 41 on the 15th, at Blowing Rock.

Average rain-fall, 7.09 inches; normal for August, 6.09 inches. Greatest monthly rain-fall, 14.29 inches, at Columbus. Least monthly rain-fall 2.41 inches at Bryson City.

Average number of clear days, 11; partly cloudy, 10; cloudy, 10; rainy, 11.

Prevailing wind direction, north-east; average velocity, 8.1 miles per hour. Normal direction for August, south-west. Normal velocity, 6.6 miles per hour.

BULLETIN

OF THE

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Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

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Vol. VIII. OCTOBER, 1893. No. 7.

Prevention of Disease and Death.

Life underwriters are particularly interested in the vital statistics of the country, for the reason that the mortality experience of the companies has an important bearing upon the cost of insurance, and to obtain a favorable mortality rate each year is an end eagerly desired. That the death-rate is very considerably augmented year by year through causes largely preventable is an unquestionable fact, and life insurance companies hail with satisfaction, therefore, any and all measures which tend directly or indirectly to reduce this rate. Theoretically Boards of Health accomplish that result, but there are not a few who affect to believe that practically they do not do so. With a view of getting some light on that matter we have been examining some of the results accomplished by the Michigan State Board—one of the best in this country—kindly furnished us by Dr. Baker, the Secretary, all illustrative of the results accomplished by the Board in the control of those two dreaded diseases of childhood, diphtheria and scarlet fever. The following statistics are of interest: In 1889 the average number of cases per outbreak where isolation and disinfection were neglected was 11.66 and the average number of deaths 2.63. On the other hand, in localities where the directions of the Board as to isolation and disinfection were strictly enforced the average number of cases was 1.56 and the average deaths 0.22—a marked difference. The similar record for scarlet fever in the year 1888 shows 11.87 deaths per outbreak, with an average of .54 deaths where restriction were not enforced, while the average outbreak was but 2.22 and deaths .08 where isolation and disinfection were enforced. These figures emphasize very strongly the beneficial results of restrictive measures intelligently applied both in the prevention of these two diseases and the modification of the death-rate when they do occur.

The Board of Health was organized in 1874, and a comparative mortality rate in the State before and after its establishment is of interest as illustrating the effects of restrictive measures. For the five years 1866–'73 before the Board was established

the deaths from scarlet fever were 4.85 per 10,000 inhabitants, while during the fourteen years 1874–'87 the deaths per 10,000 were but 2.45. The deaths per 10,000 inhabitants from small-pox for the same period were before the employment of restrictive measures .85, and after .19. In 1879 the Board undertook the restriction of typhoid fever, and with results which, while not quite so marked, were sufficiently so to demonstrate the value of such measures. Thus from 1869–'78—that is, before any restrictions were put upon the disease, there were 3.77 deaths per 10,000 inhabitants, while from 1879–'89, representing the period when efforts were made to restrict it, the deaths were 3.08. This is a considerable difference in favor of restrictive measures, but it is really greater than it appears, for the reason that considerable allowance must be made for the necessarily imperfect and incomplete workings of the plans in their earlier years. It requires time to get such measures into operation so that their effect becomes manifest, and the reduction of the mortality rate through restriction was, therefore, considerably greater than the above figures would indicate. But in any event the results have been such as to prove conclusively that much can be done to diminish the death-rate by intelligent measures vigorously applied. The Board of Health believes that consumption is also in large measure preventable, and has recently attempted its restriction by the circulation of specific instructions and suggestions. Not less than 2,500 deaths occur in Michigan each year from this disease, and it is claimed that a large part of this mortality can and ought to be prevented—*The Indicator, May, 1893, quoted in the Sanitarian.*

Summary of Reports from County Superintendents for September, 1893.

(SEVENTY-EIGHT COUNTIES REPORTING).

ALAMANCE—Dr. Geo. W. Long, Graham. Malarial fevers have occurred and some typhoid; one case of scarlatina reported. The public buildings are in good condition except the jail, which is overcrowded and needs improving very much. I have called the attention of the Commissioners to it in vigorous terms, and hope to get efforts soon at improvement. Drainage is needed in the county in a place or two.

ALEXANDER—Dr. R. B. Killian, Taylorsville. A few cases of typhoid fever. No other sickness. The sanitary condition of the Home is very good; at the jail there could be improvement.

ALLEGHANY—Dr. C. G. Fowlkes, Topia. Twenty-two cases of whooping-cough and two of typhoid fever. The Home is in good condition; the jail is not. I have ordered hygienic improvements.

ANSON—Dr. E. S. Ashe, of Wadesboro, was re-elected September 4, but has made no report.

ASHE—At a meeting of the County Board of Health September 4, Dr. W. R. Graham, of Elk Cross Roads, was elected Secretary, and Dr. L. C. Gentry, of Jefferson, Superintendent of Health.

BEAUFORT—Dr. D. T. Tayloe, Washington. Malarial fever has prevailed in town and county. The sanitary condition of the public buildings is good. We have a new jail with all the modern improvements.

BERTIE—No news received.

BLADEN—Report by Dr. Newton Robinson, Elizabethtown. No disease known except malarial fever in some sections. The public buildings are in fair condition; improvements are being made at this time.

BRUNSWICK—On October 2d, Dr. D. I. Watson, of Southport, was appointed by the Board of County Commissioners Superintendent of Health.

BUNCOMBE—Report by Dr. H. L. Baird.

Twenty-nine cases of diphtheria reported for the county, but there is some doubt as to the correctness of the diagnosis in several instances, Asheville itself has had only two cases. Typhoid fever in mild form (ten cases reported); pneumonia and catarrhal troubles have prevailed. There is less fever than for some years in September. The sanitary condition of the public buildings is fair, and there seems to be a general waking up to the importance of keeping them in good order.

BURKE—Dr. J. L. Laxton, Morganton. Four cases of typhoid fever. The sanitary condition of the county is fair; not quite so good as before the heavy rains of the last two or three weeks. The jail is a miserable old structure which has been condemned and ordered torn down for the building of a new one. The other buildings are in fair condition, but it can be improved on.

CABARRUS—Dr. Robt. S. Young, Concord. Reported, diphtheria, 12; typhoid fever, 18, and pernicious malarial fever, 1. We have let a contract for a large and well-arranged building for our insane. We have eight insane persons to care for. When our building is completed we can make them comparatively comfortable. The sanitary condition of the public buildings is good.

CALDWELL—Dr. A. A. Kent, Lenoir. Typhoid fever of mild form (10) and a few sporadic cases of diphtheria (5) reported. General health of county fairly good. The Home is well kept and in good condition. The jail is defective in sewerage and ventilation but as well kept as such a building can be.

CAMDEN—No news received.

CARTERET—Dr. George N. Ennett, Cedar Point. Three cases of whooping-cough. There have been more malarial complications than has ever been known and with more fatal results, about the head of our tide water rivulets. The sanitary condition of the public buildings is very good, except the jail, which was in rather bad order, but upon suggestions to the jailer there is marked improvement. The inmates are in fine condition.

CASWELL—Dr. W. O. Spencer, Yanceyville. The health of the county is very good so far as I can learn. I can get no report from other physicians, nor can I get them to meet. There is some hog cholera. Dr. Spencer was re-elected Superintendent of Health.

CATAWBA—Dr. George H. West, Newton. Four cases of typhoid fever. Very little sickness of any kind. The condition of the public building is good.

CHATHAM—Dr. L. A. Hanks, of Pittsboro, was elected Superintendent of Health September 4. Dr. W. E. Headen, the former Superintendent, has removed to Chapel Hill, Orange county.

CHEROKEE—Dr. J. F. Abernathy, Murphy. Twelve cases of typhoid fever. The country is unusually healthy, the town not so good. The condition of the public buildings is fair. There was one case of typhoid fever in the jail during the summer.

CHOWAN—Dr. R. H. Winborne, Barnitz. There have been fifteen or twenty cases of typhoid fever. Remittent and intermittent fevers have prevailed more generally than for the last eight or ten years, but we have had none of a pernicious or hemorrhagic type. The sanitary condition of the public buildings is quite good.

CLAY—Dr. George T. Hine, Warne. Twenty-six cases of whooping-cough and fifty-seven of typhoid fever reported. There has been a light epidemic of hog cholera in Tusquittee township. The court-house is in good condition. The jail lacks proper means for disposing of excretions, but on suggestions made this will be remedied. There is no County Home. Dr. Hine enjoys the unique distinction of having received reports from every physician in his county!

CLEVELAND—Dr. O. P. Gardner, Shelby. Several cases of whooping-cough and six of typhoid fever. Physicians are taking all precautions to prevent the spread of contagious diseases. The condition of the public buildings is good. The hospital is nearly completed.

COLUMBUS—Dr. I. Jackson, Whiteville. The sanitary condition of the county and public buildings is good. Three cases of typhoid fever. No reports from other physicians.

CRAVEN—Dr. Leinster Duffy, Newbern. Remittent and intermittent fevers reported from nearly all parts. Typhoid fever has been decidedly less prevalent than it was when last reported. The public buildings are in good condition.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. One case of typhoid fever. The sanitary condition of the public buildings is good.

CURRITUCK—No news received.

DARE—Dr. W. H. Peterson, Manteo. No contagious diseases. Malarial fever prevails, some of it pernicious. Hog cholera reported.

DAVIDSON—Dr. R. L. Payne, Lexington. The health of the county was never better. We are having some new rooms built at the Home and general repairing. The Grand Jury indicted the Board of County Commissioners at last term of Court on account of the jail, but the Board of Magistrates refused to order the necessary building to be done, and so nothing can be accomplished.

DAVIE—Dr. James McGuire, Mocksville. No diseases reported as yet, but the sanitary condition of the county is not what it should be. The condition of the public buildings is as good as can be under the circumstances, but the buildings are not as commodious and comfortable as they should be.

DUPLIN—Dr. W. P. Kennedy, Warsaw. Ten cases of typhoid fever. Typho-malarial fever has prevailed in several parts. The physicians, especially the older ones, pay no attention or but little to sanitation. I cannot get them to report to me. The jail is poorly kept and not cleaned out half as often as necessary. Have given strict orders concerning this. The Home is well kept and its general sanitation fair.

DURHAM—Dr. John M. Manning, Durham. Four cases of scarlatina and several of typhoid fever. The sanitary condition of the public buildings is good.

EDGECOMBE—Dr. Donald Williams, Tarboro. Three cases of hemorrhagic malarial fever reported. Intermittent fever has prevailed in all parts of the county. The public buildings are in good condition.

FORSYTH—Dr. D. N. Dalton, Winston. Several cases of typhoid fever. No reports from any physician. Malarial fever is prevalent but easily controlled. The sanitary condition of the public buildings is good.

FRANKLIN—Dr. E. S. Foster, Louisburg. No sickness of any importance. There have been some cases of supposed anthrax among cows. I have not seen them and only have the evidence of others. The health and sanitation of the public buildings is very good. There is difficulty in getting the insane in the asylums and we have to put them, in many instances, in the jail and Home.

GASTON—Dr. J. H. Jenkins, Dallas. No report.

GATES—Dr. I. W. Costen, Gatesville. No report.

GRAHAM—Dr. M. T. Maxwell, Robbinsville. No contagious diseases have prevailed. The sanitary condition of the jail is good. We have no County Home. The paupers are usually cared for by some friend or relative.

GRANVILLE—Dr. Patrick Booth, Oxford. Four cases of whooping-cough, and eight of typhoid fever. The sanitary condition

of the public buildings is as good as can be expected.

GREENE—Dr. E. H. Sugg, Snow Hill. Malarial fever has prevailed; no other sickness of importance. The sanitary condition of the county and public buildings is good.

GUILFORD—Dr. Albert R. Wilson, Greensboro. One case of whooping-cough, one of diphtheria and seventeen of typhoid fever reported. Malarial fever, tonsillitis and dysentery have prevailed in and around town. There have been two cases of hydrophobia in dogs. The County Home is in excellent condition in every way. The jail is not in good sanitary condition; there is not air space enough, and improvement could be made by putting in water and substituting water-closets for those now in use.

HALIFAX—Dr. I. E. Green, Weldon. Two cases of scarlatina. Very little sickness; what there has been was mostly of a malarial character.

HARNETT—Dr. R. B. Wilson, Bunn's Level. Two cases of typhoid fever reported. There has been some typho-malarial fever. The sanitary condition of the jail and Home is very good. There is only one inmate in the Home and he has very comfortable quarters.

HAYWOOD—Dr. J. Howell Way, Waynesville. Five cases of typhoid fever. The putting in of water and sewerage in the jail have placed it in as good condition as possible with the present building. The ventilation for the present number of inmates is defective.

HENDERSON—Dr. J. L. Egerton, Hendersonville. Three cases of typhoid fever. No other diseases prevalent. The sanitary condition of the public buildings is good.

HERTFORD—Dr. John W. Taylor, Union. Measles, diphtheria (2), whooping-cough (5), penicious malarial fever (2) and typhoid fever (20) reported. The county has more chills and in a more severe form than for ten years. The Home is kept in a much better condition than the jail. It is almost impossible to ventilate the jail building. Hog cholera is bad in some sections; there have been some slight cases of staggers among horses.

HYDE—No news received.

IREDELL—Dr. W. J. Hill, Statesville. Whooping-cough (14), diphtheria (4), and typhoid fever (14) reported. Malarial fevers and influenza have prevailed. The Home has been generally repaired, white-washed, etc. The cabins have two rooms each, twenty feet apart; have good drainage and are furnished with clean beds. The jail is being ventilated. A janitor is furnished the jailer for the purpose of keeping effete matter removed, etc. We have no water-works.

JACKSON—Dr. W. F. Thompkins, Webster. Seven cases of typhoid fever. There has been an epidemic of hog cholera. We have no jail, ours having been burned some time since. Dr. J. H. Wolff, of Sylva, reports seven cases of typhoid fever, three of continued fever and six of dysentery; also several cases of "milk sickness" among human beings and cattle, followed by several deaths.

JOHNSTON—Dr. R. J. Noble, Smithfield. Whooping-cough (5), typhoid fever (10), and pernicious malarial fever (5) reported Acute follicular tonsillitis has prevailed, with one death so far as known. There have been a few cases of cholera among hogs. The sanitary condition of the county is not as good as it should be. I have heard from nine physicians.

JONES—Dr. R. A. Whitaker, Trenton. Whooping-cough (2), scarlatina (1), and pernicious malarial fever (1) reported. Malarial fever has prevailed in the lower part of the county. There have been a few cases of dysentery. With these exceptions there has been very little sickness, and the sanitary condition of the county is good. Our jail is one of the best in the State and its sanitary condition is first-class.

Our County Home consists of two log structures, which are good of the kind. One of them needs a new roof, however, and it has been ordered by the Commissioners. The Home is situated on a high, dry ridge and its sanitary surroundings are good.

LENOIR—Dr. C. B. Woodley, Kinston. No diseases reported.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Little sickness of any kind. Three cases of typhoid fever reported. The jail has been recently refloored and plastered and all else done that seemed necessary to make it healthy. The Home is well kept and healthy.

MACON—Dr. S. H. Lyle, Franklin. One case of diphtheria and eight cases of typhoid fever reported. Typhoid has prevailed in Smith's Bridge township. The county has just established a Home for the paupers.

MADISON—Dr. Jas. K. Hardwicke, Marshall. Diphtheria (25 cases reported) and dysentery have prevailed in some parts of the county and have been very malignant, owing to a want of proper sanitary conditions. The condition of the Home is good and that of the jail also, except the lack of water-closets.

MARTIN—Dr. W. H. Harrell, Williamston. Three cases of typhoid fever, two of pernicious malarial and six of hemorrhagic malarial fever reported. There has been an unprecedented amount of malarial troubles; some "yellow chills" on the river bottoms. Typhoid fever seems on the decline. The condition of the public buildings is good.

MCDOWELL—Dr. B. A. Cheek, Marion. Typhoid fever (three cases reported) and bowel troubles have prevailed. The sanitary condition of the public buildings is good.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Scarlatina (1), diphtheria (2) and typhoid fever (10) reported. Malarial fever has prevailed in several parts. The sanitary condition of the public buildings and the health of the inmates have been good. At a meeting of the County Board of Health on September 4, Dr. Joseph Graham was elected President, Dr. R. J. Brevard, Vice-President, Dr. J. W. Byers, Secretary, and Dr. H. M. Wilder, County Superintendent of Health.

MITCHELL—Dr. W. P. Upton, Bakersville. Three cases of typhoid fever. Nothing more. The sanitary condition of the Home is good; that of the jail as good as can be expected.

MONTGOMERY—Dr. W. A. Simmons, of Endicott, has been elected County Superintendent of Health.

MOORE—Dr. Gilbert McLeod, Carthage. Several cases of whooping-cough in Carthage township; one case of pernicious malarial fever reported. There has been some hog cholera. No new cases of typhoid fever, but two deaths from it during the first week of the month. Malarial fever has prevailed to some extext along the water-courses. The public buildings are now in good sanitary condition. Dr. McLeod was re-elected September 4.

NASH—Dr. J. J. Mann, Nashville. Typhoid fever prevails in all parts of the county. The public buildings are in good condition.

NEW HANOVER—Dr. R. D. Jewett, Wilmington. Three cases of typhoid fever and seven of pernicious malarial fever reported. Malarial fevers of intermittent and remittent type have prevailed in most parts of the county. Little sickness with above exceptions. The sanitary condition of the jail is fair; that of the Home very good. The stockade at the work-house is far too crowded. Dr. Jewett was elected September 4.

NORTHAMPTON—Dr. W. H. Lewis, Jackson. One case of diphtheria and one of hemorrhagic malarial fever. Malarial diseases have prevailed in all parts. The sani-

tary condition of the county has somewhat improved, the rains having filled the mill-ponds, which were nearly dry from drought in August. The sanitary condition of the public buildings is good.

ONSLOW—Dr. E. L. Cox, Jacksonville. Six cases of typhoid fever and one of hemorrhagic malarial fever. There has been an epidemic of hog cholera. The jail has had new lights put in and a new stove and new lodgings. The Home has been ceiled and made more comfortable.

ORANGE—Dr. D. C. Parris, Hillsboro. A few cases of whooping-cough reported. Intermittent and remittent fevers of mild type prevailed in all parts during the first half of the month. We have had diarrhœal and catarrhal diseases in mild form. The sanitary condition of the public buildings, except the jail, is good. Plans for improving that of the jail are under consideration. Dr. Parris' term of office extends to September, 1894.

PAMLICO—No news received.

PASQUOTANK—No news received.

PENDER—Dr. Walter C. Murphy, Burgaw. Malarial fever has prevailed to a less degree than formerly. The sanitary condition of the county and public buildings is good.

PERQUIMANS—Dr. J. T. Smith, Hertford. The Secretary regrets to hear of the serious illness of Dr. Smith.

PERSON—Dr. C. G. Nichols, Roxboro. One case of diphtheria and five of typhoid fever. The county is in good sanitary condition—the lowlands well drained. The Home is only tolerably good. I have been using all the power I possess to get things right. The jail is in a fearful condition; it is not kept clean; there is a sink at the corner of the building and the deposits are thrown in and not carried away.

PITT—Dr. W. H. Bagwell, Greenville. Whooping-cough (17); diphtheria (2), typhoid fever (36), pernicious malarial fever (20), and hemorrhagic malarial fever (19) reported. There has been an epidemic of typhoid fever at Pactolus, fifteen or more cases in a village of some seventy-five inhabitants. I cannot get the physicians to report. The public buildings are in good sanitary condition and well cared for.

POLK—No news received.

RANDOLPH—Dr. J. M. Boyette, Ashboro. Typhoid fever, dysentery, influenza and malarial fever have prevailed to some extent, but on the whole we have had little sickness. The sanitary condition of the public buildings is good.

RICHMOND—Dr. J. M. Stansill, Rockingham. Scarlatina (7), diphtheria (1) and typhoid fever (10) reported. There has been some malarial fever. At the Home improvement continues to go on. The other buildings are in good condition.

ROBESON—Dr. R. F. Lewis, Lumberton. There has been little sickness. A few cases of whooping-cough and diphtheria reported. There has been an epidemic of hog cholera. By the first of January next we expect to occupy the new County Home now under construction. The jail is too small oftentimes to properly confine prisoners; additions to it are suggested.

ROCKINGHAM—Dr. D. W. Courts, Reidsville, began his term of office October 1.

ROWAN—Dr. J. J. Summerell, Salisbury. Diphtheria (5), typhoid fever (37), pernicious malarial fever (3) and hemorrhagic malarial fever (1) reported. Malarial diseases have prevailed in almost all parts. There has been distemper among horses on the river. Dr. Caldwell, of Salisbury, reports a case of farcy in a horse which was communicated to a boy, the disease breaking out on the middle finger of the right hand, extending up the arm and causing several pockets of pus in the course of the lymphatics. He improved under treatment. The sanitary condition of the county is variously reported as good, fairly good and about as usual. The condition of the public buildings is good. Dr. Summerell suc-

ceeded in extracting reports for September from more than half the physicians. He has been re-elected Superintendent of Health.

RUTHERFORD — Dr. W. A. Thompson, Rutherfordton. No disease reported. The sanitary condition of the public buildings is as good as you will find, perhaps, but not enough attention is paid to this. We need a new and modern jail and a new Home badly.

SAMPSON—Dr. John A. Stevens, Clinton. A few cases of malarial fever. I have treated two cases of typhoid fever. The health of the county is greatly improved since last month. No report from other physicians. I have furnished them with blanks, but without success. The sanitary condition of the public buildings is very good.

STANLY—Dr. J. W. Littleton, Albemarle. The health of the county is remarkably good and there has been no continued sickness, except a few cases of mild malarial fever in and around New London.

STOKES—Dr. J. W. Neal, Meadows. Five cases of diphtheria and ten of typhoid fever. The sanitary condition of the county and public buildings is good.

SURRY—There was a County Board of Health organized September 4, and Dr. John W. Hollingsworth, of Mt. Airy, was elected Superintendent of Health. Dr. W. R. Hollingsworth was President, and Dr, J. R. Woltz, Secretary. Nine cases of typhoid fever are reported, four in Mt. Airy and the rest in the surrounding country.

SWAIN—Dr. R. L. Davis, Bryson City. Five cases of typhoid fever. There has been an epidemic of cholera among hogs. The sanitary condition of the county and public buildings is good. The Home will be opened for occupants this month. At the meeting of the County Board of Health September 4, Chairman of County Commissioners, A. H. Hayes, was elected President, Mayor E. Everett, Secretary, and Dr. Davis, Superintendent of Health.

TRANSYLVANIA—Dr. A. E. Lyday, Calhoun. Fourteen cases of typhoid fever reported. The sanitary condition of the county is as good as could be expected. The condition of the public buildings is good.

TYRRELL—Dr. Ab. Alexander, Columbia. One case of diphtheria and four of typhoid fever. Dysentery has prevailed. The sanitary condition of the county is good. We have had a very sickly Fall—malarial fever being very prevalent. The sanitary condition of the public buildings is poor.

UNION—Dr. J. E. Asheraft, of Monroe, was elected Superintendent of Health.

VANCE—Dr. W. T. Cheatham, Henderson. No diseases reported. The condition of the public buildings is excellent, very clean and comfortable.

WAKE—Dr. James McKee, Raleigh. One case of scarlatina, one of diphtheria, and two of typhoid fever. Dr. J. L. Moore, of Apex, reports in addition four cases of typhoid fever, due to local cause, in one family. The precautions required by law were taken and there were no more cases. The sanitary condition of the public buildings is reported good.

WARREN—Dr. P. J. Macon, Warrenton. A few cases of typhoid fever reported. Malarial fever has prevailed in Shocco and along the river. The condition of the public buildings is very good. The rooms have been ceiled and the plastering repaired and whitewashed ready for winter.

WASHINGTON—No report.

WATAUGA—Dr. W. B. Council, Boone. Scarlatina (3), diphtheria (4), typhoid fever (2) and dysentery (6) reported from the western part of the county. The sanitary condition of the public buildings is good in every way.

WAYNE—Dr. W. J. Jones, Jr., Goldsboro. Whooping-cough (20), typhoid fever (4) and pernicious malarial fever (2) re-

ported. Malarial fever has prevailed in all parts of the county. The Home and jail are being improved.

WILKES—Dr. J. W. White, Wilkesboro. One case of typhoid fever. There is very little sickness of any kind in the county and the sanitary condition is good. The condition of the public buildings is very good considering the old style of building. Efforts are made to keep them clean.

WILSON—Dr. Albert Anderson, Wilson. Four cases of typhoid fever reported. Intermittent and remittent fevers have prevailed in all parts of the county. The sanitary condition of the public buildings is good.

YADKIN—Dr. T. R. Harding, Yadkinville. Whooping-cough, diphtheria and typhoid fever have prevailed in certain parts, but all have been very mild. The Home is in good condition, for this county. The jail is well kept, but is too small.

YANCEY—Dr. J. L. Ray, Burnsville. Five cases of typhoid fever reported. The sanitary condition of the county is moderately good. The Home is fairly kept. The jail is filthy, as usual. There is some talk of improvement.

Review of Diseases for September, 1893.

ANTHRAX (?)—From Franklin.

CHOLERA, IN HOGS—From Caswell, Johnston, Jackson, Moore, Onslow, Robeson and Swain.

DIPHTHERIA—From Buncombe, Cabarrus, Caldwell, Guilford, Hertford, Iredell, Macon, Madison, Mecklenburg, Northampton, Person, Pitt, Richmond, Robeson, Rowan, Stokes, Tyrrell, Wake, Watauga and Yadkin—20 counties.

DISTEMPER, IN HORSES—From Rowan.

DYSENTERY—From Guilford, Jackson, Jones, Madison, Randolph and Watauga.

FARCY—From Rowan.

HYDROPHOBIA, IN DOGS—From Guilford.

INFLUENZA—From Iredell and Randolph.

INTESTINAL DISEASES—From McDowell and Orange.

MALARIAL FEVER—From Alamance, Beaufort, Carteret, Chowan, Craven, Dare, Edgecombe, Forsyth, Greene, Guilford, Halifax, Hertford, Iredell, Jones, Martin, Mecklenburg, Moore, New Hanover, Northampton, Orange, Pender, Pitt, Randolph, Richmond, Rowan, Sampson, Stanly, Warren, Wayne and Wilson—29 counties.

MALARIAL FEVER, HEMORRHAGIC—From Edgecombe, Martin, Northampton, Onslow, Pitt and Rowan.

MALARIAL FEVER, PERNICIOUS—From Cabarrus, Dare, Hertford, Johnston, Jones, Martin, Moore, New Hanover, Pitt, Rowan and Wayne—10 counties.

MALARIAL FEVER, TYPHO—From Duplin and Harnett.

MEASLES—From Hertford.

PNEUMONIA—From Buncombe.

SCARLATINA—From Alamance, Durham, Halifax, Jones, Mecklenburg, Richmond, Wake and Watauga—8 counties.

TYPHOID FEVER—From Alamance, Alexander, Ashe, Buncombe, Burke, Cabarrus, Caldwell, Catawba, Cherokee, Chowan, Clay, Cleveland, Columbus, Craven, Cumberland, Duplin, Durham, Forsyth, Granville, Guilford, Harnett, Haywood, Henderson, Hertford, Iredell, Jackson, Johnston, Lincoln, McDowell, Macon, Martin, Mecklenburg, Mitchell, Nash, New Hanover, Onslow, Person, Pitt, Randolph, Richmond, Rowan, Sampson, Stokes, Swain, Transylvania, Tyrrell, Wake, Warren, Watauga, Wayne, Wilkes, Wilson, Yadkin and Yancey—54 counties.

WHOOPING-COUGH—From Carteret, Clay, Cleveland, Granville, Guilford, Hertford, Iredell, Johnston, Jones, Moore, Orange, Pitt, Robeson, Wayne and Yancey—15 counties.

Summary of Mortuary Reports for September, 1893.

(TWENTY-FOUR TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	71,100	50,404	121,504
Aggregate deaths	81	94	175
Representing annual death-rate per 1,000	13.7	22.4	17.3
Causes of death.			
Typhoid Fever	11	5	16
Malarial Fever	6	13	19
Diphtheria	2	0	2
Pneumonia	0	1	1
Consumption	8	8	16
Brain diseases	9	4	13
Heart diseases	3	7	10
Neurotic diseases	2	0	1
Diarrhœal diseases	8	17	25
All other diseases	30	38	68
Accident and Violence	1	1	2
Suicide	1	0	1
	81	94	175
Deaths under 5 years	21	35	57
Still-born	7	10	17

Condition of Jails and County Homes by Counties for September, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	21 (*a*)	500	.....	.....	30	550	.....	.....
Alexander	2	.....	.....	.....	10	.....	.....	.....
Ashe	.....	.....	.....	.....	.....	.....	.....	.....
Alleghany	0	1000	.....	.....	2	*	2	0
Anson	.....	.....	.....	.....	.....	.....	.....	.....
Beaufort	7	.....	.....	.....	14	.....	.....	.....
Bertie	.....	.....	.....	.....	.....	.....	.....	.....
Bladen	4	.....	.....	.....	7	.....	.....	.....
Brunswick	.....	.....	.....	.....	.....	.....	.....	.....
Buncombe	56 (*b*)	*	5	36	.....	750-1000	17	11
Burke	12	400	4	7	11	600	3	4
Cabarrus	30 (*c*)	*	5	8	36	970	7	12
Caldwell	4	*	0	3	7	*	3	2
Camden	.....	.....	.....	.....	.....	.....	.....	.....
Carteret	3	1000	0	2	0	.....	.....	.....
Caswell	5	.....	.....	.....	18	.....	.....	.....
Catawba	5	.....	.....	.....	25	.....	.....	.....
Chatham	.....	.....	.....	.....	.....	.....	.....	.....
Cherokee	6	.....	.....	.....	2	.....	.....	.....
Chowan	.....	.....	.....	.....	9	.....	.....	.....
Clay	0	.....	.....	.....	0	.....	.....	.....
Cleveland	30	600	.....	20	23	997	.....	3
Columbus	5	*	.....	5	13	*	.....	0
Craven	10	1000	4	6	18	*	15	3
Cumberland	8	.....	.....	.....	19	.....	.....	.....
Currituck	.....	.....	.....	.....	.....	.....	.....	.....
Dare	.....	.....	.....	.....	.....	.....	.....	.....
Davidson	1	*	0	0	23	720	0	2
Davie	7	753	1	1	7	*	2	0
Duplin	0	*	.....	.....	10	*	4	4
Durham	43 (*d*)	.....	.....	.....	15	.....	.....	7
Edgecombe	7	*	3	2	28	*	5	3
Forsyth	19	*	6	8	28	*	12	4

(*a*) Includes 4 in House of Correction. (*b*) Includes 39 in House of Correction. (*c*) Includes 18 in House of Correction. (*d*) Includes 21 in House of Correction. * Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	6	1000	1	2	21	500	3	1
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	.....	.....	.....	.....	.....	.....	.....	.....
Graham	1	459	0	1	0	.....	.....	.....
Granville	5	*	1	2	29	(a)	10	5
Greene	.....	.....	.....	.....	.....	.....	.....	.....
Guilford	31	351	.....	.....	38	*	.....	.....
Halifax	7	1000	4	4	46	700	13	6
Harnett	0	.....	.....	.....	1	.....	.....	.....
Haywood	15	.....	.....	.....	.....	.....	.....	.....
Henderson	7	.....	.....	.....	1	.....	.....	.....
Hertford	.....	.....	.....	.....	9	.....	.....	.....
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	5	.....	.....	.....	19	.....	.....	.....
Jackson	0	.....	.....	.....	2	.....	0	0
Johnston	9	900	.....	7	13	*	.....	.....
Jones	4	*	0	2	4	*	2	2
Lenoir	9	*	.....	.....	.....	.....	.....	.....
Lincoln	5	*	.....	3	26	400	.....	5
McDowell	5	.....	0	2	13	.....	0	1
Macon	3	*	1	3	0	.....	.....	.....
Madison	6	533	3	2	16	500	6	7
Martin	0	.....	.....	.....	17	700	4	5
Mecklenburg	110 (b)	700	0	.....	58	*	0	.....
Mitchell	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	.....	.....	.....	.....	.....	.....	.....	.....
Moore	2	*	0	2	8	*	0	3
Nash	5	600	2	4	38	1000	5	6
New Hanover	28 (c)	500	.....	.....	23	*	4	2
Northampton	5	800	0	2	23	1000	10	8
Onslow	2	.....	.....	1	5	.....	1	1
Orange	7	1000	0	5	13	*	7	5
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

(a) Too crowded. (b) Includes 82 in House of Correction. (c) Includes 21 in House of Correction.
* Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—Continued.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank	.....	.....	.....	.....	.....	.....	.....	.....
Pender	2	.....	.....	0	5	.....	.....	0
Perquimans	.....	.....	.....	.....	.....	.....	.....	.....
Person	3	1000	.....	2	16	750	.....	3
Pitt	18	.....	0	.....	27	.....	3	.....
Polk	.....	.....	.....	.....	.....	.....	.....	.....
Randolph	18	.....	.....	.....	39	.....	.....	.....
Richmond	18	.....	4	9	33	.....	2	1
Robeson	23	300	.....	.....	9	800	.....	.....
Rockingham	.....	.....	.....	.....	.....	.....	.....	.....
Rowan	14	550	3	7	20	*	.....	.....
Rutherford	10	700	.....	.....	25	800	.....	.....
Sampson	5	.....	.....	.....	20	.....	.....	.....
Stanly	.....	.....	.....	.....	.....	.....	.....	.....
Stokes	10	500	4	3	15	400	2	2
Surry	.....	.....	.....	.....	.....	.....	.....	.....
Swain	.....	.....	.....	.....	.....	.....	.....	.....
Transylvania	1	*	.....	1	1	*	.....	1
Tyrrell	0	.....	.....	.....	0	.....	.....	.....
Union	.....	.....	.....	.....	.....	.....	.....	.....
Vance	6	*	.....	.....	21	*	.....	.....
Wake	97 (*a*)	967	.....	.....	63	.....	.....	.....
Warren	5	*	.....	3	20	*	.....	2
Washington	.....	.....	.....	.....	.....	.....	.....	.....
Watauga	6	.....	.....	.....	7	.....	.....	.....
Wayne	11	.....	0	4	13	.....	5	2
Wilkes	7	.....	.....	.....	13	.....	.....	.....
Wilson	9	*	2	3	26	*	3	4
Yadkin	9	525	0	4	25	.....	0	7
Yancey	6	386	1	3	3	*	.....	.....

(*a*) Includes 69 in House of Correction. * Space exceeds 1,000 cubic feet.

Mortuary Report for September, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident and Violence.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville, Dr. H. L. Baird.	White.	8,000	12,000	15.0	15.0	1	...	...	2	..	..	..	...	...	...	...	3	3	...	1	10	15	3	1
	Colored.	4,000		15.0		...	...	..	...	...	...	...	1	...	...	...	3	1	...	...	5		3	...
Charlotte, Fred. Nash, Esq.	White.	9,000	14,000	10.7	12.8	1	...	...	...	...	...	...	...	3	...	...	2	2	..	...	8	15	3	1
	Colored.	5,000		16.8		1	...	...	...	...	...	...	2	...	...	...	1	3	...	...	7		2	2
Durham, Dr. J. M. Manning.	White.	4,500	8,000	2.7	3.0	...	...	...	...	..	...	...	1	...	...	...	...	...	...	...	1	2	...	...
	Colored.	3,500		3.4		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		1	...
Fayetteville, Dr. J. H. Marsh.	White.	2,800	5,000	21.4	28.8	...	...	...	...	..	...	...	...	...	...	1	1	2	1	...	5	12	2	...
	Colored.	2,200		38.2		...	...	1	...	...	...	...	...	...	1	...	1	4	...	...	7		1	1
Goldsboro, May. D. J. Broadhurst	White.	2,800	5,000	8.6	16.8	.	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	7	...	...
	Colored.	2,200		22.2		...	...	2	...	...	...	...	...	...	1	...	...	2	...	...	5		...	...
Henderson, Dr. W. T. Cheatham.	White.	2,250	4,250	0.0	8.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	3	...	...
	Colored.	2,000		18.0		...	...	...	...	...	...	...	...	...	...	...	1	2	..	...	3		...	...
Hillsboro, Dr. D. C. Parris.	White.	600	1,000	100.0	60.0	...	...	...	...	...	...	...	1	1	...	...	...	3	...	...	5	5	...	...
	Colored.	400		0.0		..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Lexington, Dr. R. L. Payne, Jr.	White.	1,800	2,100	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0		...	...
Marion, Dr. B. A. Cheek.	White.	650	800	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
	Colored.	150		0.0		...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0		...	...
Monroe, Dr. W. D. Pemberton.	White.	1,500	2,000	32.0	36.0	...	...	1	...	..	...	...	1	...	1	...	1	...	...	...	4	6	...	...
	Colored.	500		48.0		...	...	...	...	...	...	..	1	...	...	...	1	...	...	...	2		...	...
Oxford, Dr. Patrick Booth.	White.	1,700	3,300	21.2	14.6	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	4	...	1
	Colored.	1,600		7.5		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		...	...
Raleigh, Dr. James McKee.	White.	8,000	15,000	13.5	16.8	1	...	1	...	...	...	...	1	1	1	...	...	4	...	...	9	21	2	1
	Colored.	7,000		20.6		...	...	...	...	...	...	...	...	1	1	...	2	8	...	...	12		9	3
Rockingham, Dr. J. M. Stansill.	White.	1,200	1,700	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Rocky Mount, Dr. G. L. Wimberley.	White.	1,200	1,600	10.0	7.5	1	...	...	...	...	...	...	...	...	..	...	...	...	...	...	1	1	...	...
	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salem, Mayor T. B. Douthit.	White.	3,942	4,284	6.1	11.2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	4	...	...
	Colored.	342		70.2		...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		1	...
Salisbury, Dr. J. J. Summerell.	White.	3,500	5,000	24.0	28.8	2	...	..	...	...	...	...	1	2	...	...	...	2	...	...	7	12	...	...
	Colored.	1,500		40.0		4	...	...	...	...	...	...	...	...	...	...	1	...	...	...	5		1	...
Scotland Neck, Mayor J. A. Perry.	White.	700	1,100	17.1	10.9	...	...	...	...	...	..	...	...	...	...	...	...	1	...	...	1	1	...	...
	Colored.	400		0.0		...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Southport, Mr. E. H. Cranmer, Jr.	White.	750	1,200	61.3	46.1	...	...	...	...	...	...	...	1	1	...	...	...	2	...	...	4	5	3	...
	Colored.	450		26.7		...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1		...	...
Statesville, Dr. W. J. Hill.	White.	2,500	3,500	9.6	13.7	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	4	...	2
	Colored.	1,000		24.0		...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	2		...	...
Tarboro, Dr. Donald Williams.	White.	1,258	2,370	9.5	35.4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	7	...	1
	Colored.	1,112		64.7		...	...	...	...	...	...	1	1	1	...	..	...	3	...	...	6		5	...
Warrenton, Dr. P. J. Macon.	White.	750	1,300	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	..	..	...	0	0	..	...
	Colored.	550		0.0		...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Weldon, Mayor J. T. Gooch.	White.	700	1,500	17.1	40.0	...	...	1	...	...	...	...	...	...	...	...	..	...	...	...	1	5	...	...
	Colored.	800		60.0		...	...	2	...	...	...	...	...	...	...	...	...	1	1	...	4		...	...
Wilmington, Dr. R. D. Jewett.	White.	9,000	22,000	14.7	21.8	1	...	3	...	...	...	...	1	...	...	...	1	5	...	...	11	40	6	...
	Colored.	13,000		26.8		...	...	6	...	...	...	...	2	2	3	...	5	11	...	...	29		12	4
Wilson, Dr. Albert Anderson.	White.	2,000	3,500	24.0	20.6	...	...	...	...	...	...	...	...	1	1	1	...	1	...	...	4	6	2	...
	Colored.	1,500		16.0		...	...	2	..	...	...	...	...	...	...	...	...	..	...	...	2		...	...

Meteorological Summary for North Carolina, September, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	65.4	87	15	76.8	43	17	53.9	44	22.9	73.0	7.42	16	7	7	10	N.
Bakersville	64.6	89	16	78.4	39	29	50.8	50	27.6	.....	5.80	20	6	4	6	.....
Blowing Rock	61.1	79	7	72.6	33	29	49.6	46	23.0	.....	10.29	7	.....	.....	.....	N. W.
Charlotte	71.0	91	20	80.1	47	30	61.9	44	18.2	79.2	6.99	15	4	11	8	S. W.
Chapel Hill	70.7	93	20	81.7	42	29	59.7	51	22.0	.....	6.40	.....	.....	.....	9	W.
Horse Cove	66.1	84	15	75.0	46	30	57.2	38	17.6	.....	15.56	12	5	13	9	S. E.
Littleton	69.6	92	20	80.6	39	29	58.6	53	22.0	.....	2.73	7	10	13	9	W.
Lenoir	66.6	82	23	74.9	49	17	60.0	33	14.9	.....	9.00	12	10	8	8	N. E.
Louisburg	69.1	88	20	76.9	43	30	61.3	45	15.3	87.5	6.32	6	12	12	9	S. E.
Mt. Airy	67.0	87	15	78.5	36	29	55.2	51	23.3	.....	5.84	7	15	8	8	S. W.
Mt. Pleasant	71.2	92	20	80.9	48	28	61.4	44	19.5	.....	3.27	8	10	12	10	.....
Morganton	67.3	91	15	77.0	47	29	61.5	44	15.5	.....	7.75	8	.....	.....	.....	.....
Newbern	70.4	88	16	78.0	43	30	62.8	45	15.2	.....	3.44	9	.....	.....	.....	.....
Oak Ridge	68.4	88	15	79.0	39	29	57.7	49	21.4	.....	6.75	14	6	10	12	N. E.
Pittsboro	68.8	86	20	77.8	41	30	59.6	45	18.2	.....	6.06	12	9	9	7	.....
Raleigh	70.6	92	20	79.8	44	30	61.5	48	17.3	79.0	3.20	13	7	10	10	S. W.
Rockingham	71.5	90	16	82.2	47	29	60.8	43	21.4	.....	2.63	5	.....	.....	.....	.....
Roxboro	68.4	89	20	78.8	42	29	59.0	47	19.8	.....	4.75	8	.....	.....	.....	.....
Soapstone Mount	69.0	91	20	80.9	41	29	57.0	50	23.9	.....	6.11	8	16	6	5	S. W.
Saxon	67.2	90	19	78.9	37	28	55.6	53	23.3	.....	6.80	8	16	6	9	N. E.
Southern Pines	73.7	93	20	83.2	48	30	64.2	45	19.0	74.3	3.71	17	3	10	8	S.
Salisbury	71.8	88	20	79.8	50	30	65.6	38	14.2	.....	4.98	8	.....	.....	.....	.....
Tarboro	72.2	94	19	83.4	40	30	60.9	54	22.5	.....	4.20	19	3	8	9	S. E.
Willeyton	69.9	90	19	79.9	42	30	59.9	48	20.0	.....	6.19	8	14	8	10	W.
Weldon	70.6	91	19	81.3	41	30	59.9	50	21.4	.....	5.80	14	8	8	8	S.
Wilmington	74.9	95	20	82.0	49	30	67.8	46	14.2	83.0	3.06	14	10	6	9	S.

STATE METEOROLOGICAL SUMMARY FOR SEPTEMBER, 1893.

Mean Barometer, 30.07 inches; normal for September, 30.08. Highest Barometer, 30.27 on the 27th, at Raleigh. Lowest Barometer, 29.82 on the 16th, at Kitty Hawk.

Mean temperature, 69.9 degrees; normal for September, 70.2. Highest temperature, 95 on the 20th, at Wilmington. Lowest temperature, 33 on the 29th, at Blowing Rock.

Average rain-fall, 5.62 inches; normal for September, 4.65 inches. Greatest monthly rain-fall, 15.56 inches at Horse Cove. Least monthly rain-fall 1.27 inches at Kitty Hawk.

Average number of clear days, 13; partly cloudy, 8; cloudy, 9; rainy, 9.

Prevailing wind direction, west; average velocity, 6.9 miles per hour. Normal direction for September, north-east. Normal velocity, 7.0 miles per hour.

BULLETIN

OF THE

NORTH CAROLINA BOARD OF HEALTH.

Published Monthly at the Office of the Secretary of the Board, at Raleigh, N. C.

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H. T. Bahnson, M. D., *Pres*...Salem.
S. Westray Battle, M. D.....Asheville.
W. H. Harrell, M. D.....Williamston.
Geo. Gillett Thomas, M. D...Wilmington.
W. H. G. Lucas, M. D.....White Hall.
John Whitehead, M. D. .....Salisbury.
Prof. F. P. Venable.....Chapel Hill.
J. C. Chase, Civ. Eng.....Wilmington.
Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

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Vol. VIII. NOVEMBER, 1893. No. 8.

Dr. Hodges' Successor.

Dr. J. A. Hodges, late of Wilmington, one of the most active and efficient members of the Board of Health, having resigned on account of removal from the State, Dr. John Whitehead, of Salisbury, a leading physician of the Piedmont section, has been elected to fill the vacancy.

The Reports from the Counties for October.

It is not our intention to attempt anything like a detailed analysis of the reports, for while the number of Superintendents reporting—84 out of 88, or more than 93 per cent.—is extremely gratifying, unfortunately they are not *as yet* full and accurate enough to render such work of value, but merely to express certain thoughts of a practical bearing suggested by them.

The most striking fact noted is the very unusual prevalence of malarial fevers of the more malignant forms, pernicious and hemorrhagic. Seventeen counties report hemorrhagic and ten pernicious malarial fever, ten cases of the former and thirty of the latter occurring in one small county. Suspecting from the number of cases reported that there might be a confusion of ideas on the part of some of the reporting physicians as to what was intended by "pernicious" malarial fever, the Secretary wrote to one of the Superintendents for information, asking particularly if severe forms of remittent or "bilious" fever were not called pernicious. His reply was that he transmitted the reports exactly as received, but that he was satisfied severe remittents were meant by many of the reporters. But be that as it may, the fact of the unusually wide-spread and malignant character of the malarial poison in our State this season remains. It has set the Secretary to turning over in his mind more briskly an idea that has been slowly revolving there for a long time relating to the best practical method of abating malarial diseases. Being a thorough believer in the transmission in large part of the malarial poison through surface drinking water, his idea is, if possible, to demonstrate that fact to the people.

Realizing that mere assertions in the abstract make little or no impression upon most people, he is of the opinion that the best method would be to put the matter before them in the concrete by citing examples, of which there are not a few, of the great improvement in the health of families so far as malarial diseases are concerned that has been effected by a change from well to cistern water. It is hoped that such of our readers as live in the malarious regions will make a note of such examples as those referred to and be prepared to answer certain definite questions on this line which together with a circular-letter on the subject will be shortly sent to them.

Diphtheria is reported from twenty-one counties and scarlet fever from eight, but in not a single instance is there any allusion to the carrying out of the Instructions for Quarantine and Disinfection. It does not follow, of course, that they are not carried out, but the State Board of Health would feel better satisfied if it were definitely informed on that point. We would, therefore, be glad to have Superintendents in all cases hereafter reporting any of the diseases mentioned in section 9 of the law specify "instructions carried out." Another request we have to make of the Superintendents is that they will give the number of physicians reporting. The showing in the report of a county in which many physicians report cannot be justly compared with that of another in which none or very few report unless the number of the reporters is given.

Summary of Reports from County Superintendents for October, 1893.

(EIGHTY-FOUR COUNTIES REPORTING).

ALAMANCE—Dr. G. W. Long, Graham. Malarial and typho-malarial fevers have prevailed in some parts. Some swamps and ponds need draining. At last a commission has been appointed to examine and report on the jail. I think it likely that we will have a new modern jail in the near future.

ALEXANDER—Dr. R. B. Killian, Taylorsville. No sickness heard of but two cases of typhoid fever. No reports from other physicians. Sanitary condition of the public buildings as good as usual.

ALLEGHANY—Dr. C. G. Fowlkes, Topia. Whooping-cough (3), scarlatina (1), diphtheria (27) and typhoid fever (2) reported. The diphtheria has been malignant, with seven deaths. There has been an epidemic of cholera among sheep. The public buildings are not supplied with sufficient bedding for winter. The inmates of the Home complain. I am endeavoring to have these wants supplied, and shall lay the matter before the Commissioners.

ANSON—Dr. E. S. Ashe, Wadesboro. No report.

ASHE—Dr. L. C. Gentry, Jefferson. Typhoid fever has prevailed in the central parts, forty cases reported. The sanitary condition of the jail is good. The Home is being improved as to space by my direction.

BEAUFORT—Dr. D. T. Tayloe, Washington. Health of county much better than ever before at this season of the year. Malarial fever of mild form is about all the sickness we have. The public buildings are in good sanitary condition.

BERTIE—No Board of Health.

BLADEN—Dr. Newton Robinson, Elizabethtown. Several cases of whooping-cough. Nothing more. The sanitary condition of the public buildings is good.

BRUNSWICK—Dr. D. I. Watson, Southport. Malarial fever has prevailed in all parts. The county is so large and sparsely settled and the physicians fail so to report that it is impossible to get full information. So far as known the sanitary condition of the county is good. The Home is seventeen miles from the county-seat. It is

cleanly and well kept. The buildings are frames, unceiled. Its location is high and dry and its sanitation good. The jail is an old frame building with iron cells. Its sanitation is bad, owing to the slops running under the floor of the cells.

BUNCOMBE—Dr. Harry L. Baird, Asheville. Scarlatina (2), diphtheria (5), typhoid fever (1) and a few cases of pneumonia reported. Health of county never better. The sanitary condition of the Home is very good, that of the jail is not what it should be, but it may be called fair; it is well supplied with water and sewerage and can be kept clean.

BURKE—Dr. J. L. Laxton, Morganton. Typhoid fever (3) reported. The county has very little sickness of any kind and is in good sanitary condition. The condition of the public buildings is as usual.

CABARRUS—Dr. R. S. Young, Concord. Whooping-cough (10), diphtheria (12) and typhoid fever (12), reported. The sanitary condition of the county and public buildings is good.

CALDWELL—Dr. A. A. Kent, Lenoir. Typhoid fever (15) of mild form still prevails. Only one death reported and that from neglect. The sanitary condition of the public buildings is as before.

CAMDEN—No Board of Health.

CARTERET—Dr. Geo. N. Ennett, Cedar Point. Whooping-cough (20), pernicious malarial fever (30) and hemorrhagic malarial fever (10) reported. Malarial fever of a most malignant type has prevailed in and around Newport and has been more prevalent throughout the county than ever before known, probably due to decaying *debris* resulting from the upheavals of severe storms. The sanitary condition of the public buildings is very good.

CASWELL—Dr. W. O. Spencer, Yanceyville. So far as I can learn the health of the county is very good. Sanitary condition of the public buildings very good. The jail is inadequately heated, but proper measures are being used to remedy that.

CATAWBA—Dr. Geo. H. West, Newton. Reported: diphtheria three and typhoid fever seven. Bronchitis has prevailed. It is impossible to get reports from more than two out of twenty-three physicians in active practice. Public buildings are in good sanitary condition. At the meeting of the County Board of Health, September 4th, the Chairman of the Board of County Commissioners, L. R. Whitener, was elected President, Geo. H. West, M. D., Secretary, and J. M. McCorkle, M. D., Superintendent of Health, his term of office beginning December 1st.

CHATHAM—Dr. L. A. Hanks, Pittsboro. Typhoid fever (three cases reported) has prevailed to a small extent. The sanitary condition of the public buildings is very good. Cleanliness is the rule and all the ventilation that is necessary. The health of the county is good.

CHEROKEE—Dr. J. F. Abernathy, Murphy. Remittent fever has prevailed, but it seems to have abated. Sanitary condition of county and public buildings good.

CHOWAN—Dr. R. H. Winborne, Barnitz. Malarial fevers have prevailed in all sections, with five or six cases of hemorrhagic malarial on the sound and water courses. No contagious diseases. No other physicians have reported. The jail and Home in fair condition. There is need of nurses at the latter for the helpless. Repairs have been made on the old buildings.

CLAY—Dr. Geo. T. Hine, Warne. Typhoid fever has prevailed in all parts, nine cases known. There has been a mild epidemic of hog cholera. No report from the three other physicians of the county.

CLEVELAND—Dr. O. P. Gardner, Shelby. A few cases of diphtheria and of typhoid fever reported. Health and sanitary condition of county and public buildings good.

COLUMBUS—Dr. I. Jackson, Whiteville. Health of county very good. Two mild

cases of typhoid fever. Hog cholera in some localities. Sanitary condition of the public buildings good.

CRAVEN—Dr. Leinster Duffy, Newbern. Little sickness. Sanitary condition of the county and public buildings good.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. No diseases reported. Sanitary condition of the public buildings tolerably good.

CURRITUCK—No Board of Health.

DARE—Dr. W. H. Peterson, Manteo. Health of county much improved. One case of diphtheria and one of hemorrhagic malarial fever reported. Malarial fevers have prevailed. Hog cholera reported.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. No epidemic. Six cases of diphtheria reported. Unscrupulous misrepresentations of partisan politicians are going to make the new health law very difficult of execution. Sanitary condition of public buildings good.

DAVIE—Dr. James McGuire, Mocksville. Four cases of diphtheria reported—in the same family. Malarial diseases have prevailed in some parts. Only two physicians have reported. Sanitary condition of county good, that of public buildings as good as their construction will admit of.

DUPLIN—Dr. W. P. Kennedy, Warsaw. Typhoid fever (5) and pernicious malarial fever (6). Typho-malarial fever has prevailed. Hog cholera epidemic in several sections. No reports from physicians. Sanitary condition of jail poor, owing to indifference of jailer; that of the Home good, and improvements being made all the time.

DURHAM—Dr. John M. Manning, Durham. Typhoid and typho-malarial fever have prevailed in some sections. Some parts of county reported not in good sanitary condition. The condition of public buildings good.

EDGECOMBE—Dr. Donald Williams, Tarboro. Reported: scarlatina, 2; hemorrhagic malarial fever, 16. Intermittent fever has prevailed in all parts. Sanitary condition of public buildings very good.

FORSYTH—Dr. D. N. Dalton, Winston. Reported: several cases of whooping-cough, a few of diphtheria (in the county) and a few of typhoid fever. Sanitary condition of county and public buildings good.

FRANKLIN—Dr. E. L. Foster, Louisburg. Health of county probably never better. No reports from other physicians. Sanitary condition of public buildings very good. Anything found wanting is soon remedied by the County Commissioners.

GASTON—Dr. J. H. Jenkins, Dallas. A few cases of typhoid fever reported. Catarrhal and malarial fevers have prevailed in some parts. The county and public buildings in good sanitary condition.

GATES—Dr. I. Walter Costen, Gatesville. Reported: whooping-cough, 2; typhoid fever, 15; pernicious malarial fever, 8. Malarial fever has prevailed in all parts. Sanitary condition of county fair; that of the Home quite satisfactory.

GRAHAM—Dr. M. T. Maxwell, Robbinsville. No diseases dangerous to public health. Sanitary condition of county good; that of public buildings as good as could be expected. The county has no Home.

GRANVILLE—Dr. Patrick Booth, Oxford. Reported: diphtheria, 6; typhoid fever, 9; pernicious malarial fever, 1. Malarial diseases have prevailed in all sections. Cholera to some extent among fowls. Sanitary condition of county good, except as to drainage and some cellars. Sanitary condition of public buildings good, except the Home, which is too crowded. The Commissioners are making provision for more room.

GREENE—Dr. E. H. Sugg, Snow Hill. Malarial fever has prevailed. No other sickness of importance. Sanitary condition of county and public buildings good.

GUILFORD—Dr. A. R. Wilson, Greensboro. Some diphtheria in western part of county, and typhoid fever in different sections. One case of hemorrhagic malarial

fever. An epidemic of "dumb rabies" reported. Only two or three physicians reporting. The sanitary condition of the jail is bad. The prisoners are not equally divided as to air space. In two cells of less than 2,000 cubic feet each are twenty-four men, twelve in each cell, giving each person about 165 cubic feet. The only ventilation these cells have is from two small windows, which are barred, and the door. There are two small cells in the jail which are not available in winter because not heated. The Home is in good condition.

HALIFAX—Dr. I. E. Green, Weldon. Very little sickness.

HARNETT—Dr. R. B. Wilson, Bunn's Level. An epidemic of scarlatina has prevailed in the western and north-eastern parts of the county; eleven cases reported; two cases of typhoid fever. Sanitary condition of county and public buildings good.

HAYWOOD—Dr. J. Howell Way, Waynesville. The few typhoid cases of last month have recovered; no new ones. Remarkably little sickness.

HENDERSON—Dr. E. L. Egerton, Hendersonville. One case of typhoid fever. Sanitary condition of county and public buildings very good.

HERTFORD—Dr. John W. Tayloe, Union. Reported: typhoid fever, 3; pernicious malarial fever, 1. Malarial fevers have prevailed in all sections. Sanitary condition of county good. Cannot get physicians to report. Each prisoner in jail has a small room, about eight to ten feet, and in the Home each inmate has an ordinary-sized room, unless his condition is such that he requires a nurse.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill. No report.

JACKSON—Dr. W. F. Tompkins, Webster. Dr. Tompkins was away from home part of the month. Dr. J. H. Wolff, of Sylva, reports: typhoid fever, 10; dysentery, 1; tonsillitis, 5, and diphtheritic croup, 3; hog cholera.

JOHNSTON—Dr. R. J. Noble, Smithfield. No disease dangerous to the public health heard of. No reports from other physicians. We are trying to have a sewer put in from the jail to the river.

JONES—Dr. R. A. Whitaker, Trenton. Reported: whooping-cough, 5; typhoid fever, 1; pernicious malarial fever, 1; hemorrhagic malarial fever, 3. Malarial troubles have prevailed on the low river lands. Sanitary condition of county and public buildings good. Since last report one of the buildings at the Home has received a new roof and is much improved thereby.

LENOIR—Dr. C. B. Woodley, Kinston. A few cases of malarial fever and one of typhoid fever reported.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Reported: diphtheria, 3; typhoid fever, 2. Very little sickness of any kind. Jail and Home are well kept and free from sickness.

MACON—Dr. S. H. Lyle, Franklin. Reported: diphtheria, 2; typhoid fever, 12. No epidemic. Cannot get country physicians to report.

MADISON—Dr. Jas. H. Hardwicke, Marshall. No serious diseases reported. Home in good condition, but the jail not.

MARTIN—Dr. W. H. Harrell, Williamston. Typhoid fever four cases. Malarial fevers have prevailed in all sections. Scarlet fever, whooping-cough and typhoid fever reported from neighborhood of Hamilton. Jail in good order. Grounds of Home in good condition; buildings not good for severe winter, but will be improved at once.

MCDOWELL—Dr. B. A. Cheek, Marion. Typhoid fever, ten cases reported. Sanitary condition of county and public buildings good.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Reported: scarlatina, 5; diphtheria, 2; typhoid fever, 5. Catarrhal and malarial fevers have prevailed. Sanitary condition of public buildings good and health of inmates excellent.

MITCHELL—Dr. W. P. Upton, Bakersville. One case of typhoid fever. Sanitary condition of county good and of public buildings as good as usual.

MONTGOMERY—Dr. W. A. Simmons, Troy. Malarial fevers have prevailed: one case of pernicious and one of hemorrhagic reported. County as healthy as it ever was at this season. Hog cholera in first part of month. Sanitary condition of public buildings good enough.

MOORE—Dr. Gilbert McLeod, Carthage. Reported: whooping-cough, 30 (in central and southern parts); typhoid fever, 2; membranous croup, 1; typho-malarial fever, 4; a few cases of influenza, and hydrophobia among dogs (in Fairhaven section). Sanitary condition of public buildings good. A new cottage has been completed at the Home.

NASH—Dr. J. J. Mann, Nashville. Intermittent fever prevails in all sections. Home in first-class condition, but the jail not, owing to want of additional cells.

NEW HANOVER—Dr. R. D. Jewett, Wilmington. Reported from fourteen physicians: whooping-cough, 1; typhoid fever, 1; pernicious malarial fever, 16; hemorrhagic malarial fever, 4; typho-malarial fever, 7; jaundice, dysentery, diarrhœa, and catarrhal troubles. Remittent and intermittent fevers have prevailed in Wilmington. Sanitary condition of county and public buildings good. The prisoners in the jail are confined in pretty close quarters in the center of a large room well ventilated. The cells are of open iron work. The Commissioners have taken steps to build more commodious quarters and arrange for warming.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. Reported: typhoid fever, 4, and pernicious malarial fever, 2. Malarial diseases have prevailed in all parts. Sanitary condition of county and public buildings good.

ONSLOW—Dr. E. L. Cox, Jacksonville. Some malarial fevers and dysentery prevailing. One case of hemorrhagic malarial fever. Sanitary condition of county good, also that of public buildings better than ever before.

ORANGE—Dr. D. C. Parris, Hillsboro. Reported: whooping-cough (epidemic), scarlatina in southern part of county, typhoid fever, hemorrhagic malarial fever, 2. Malarial fevers have prevailed in all parts. Some cholera among hogs and distemper among dogs. Outside of weather vicissitudes the dwellings of both white and colored in various sections, in a few instances, are very bad. No stagnant ponds or swamps so far as known. Sanitary condition of public buildings, except jail, good. Plans are being considered for improving the jail.

PAMLICO—No Board of Health.

PASQUOTANK—No Board of Health.

PENDER—Dr. Walter C. Murpliy, Burgaw. Good health in nearly all parts. One case of hemorrhagic malarial fever. Sanitary condition of county and public buildings good.

PERQUIMANS—The Secretary regrets to announce the death of Dr. J. T. Smith, of Hertford, the new Superintendent of Health.

PERSON—Dr. C. G. Nichols, Roxboro. No contagious disease. Some hog cholera. Cannot get the physicians to report. Sanitary condition of county good. Some improvement has been made at the Home since last report. More air has been let under the houses so as to give free ventilation. The sink at the jail has been closed and better hygiene enforced.

PITT—Dr. W. H. Bagwell, Greenville. Reported: whooping-cough, diphtheria, 2; typhoid fever, 9; hemorrhagic malarial fever, 4. All sanitary rules have been carried out with three cases of typhoid fever at Pactolus and as far as possible throughout the county. Sanitary condition

of public buildings good. The jail has improved cage cells.

POLK—No Board of Health.

RANDOLPH—Dr. J. M. Boyette, Ashboro. Reported: whooping-cough, 3; diphtheria, 2; typhoid fever, 13. Sanitary condition of county good, according to reports. Dysentery, bronchitis and tonsillitis, resulting from the changeable weather, have prevailed to some extent. The sanitary condition of the public buildings is all we can ask for, though the jail is crowded; owing to the indisposition of Judge Whitaker it could not be delivered at the last term of court.

RICHMOND—Dr. J. M. Stansill, Rockingham. Reported: scarlatina, 2; typhoid fever, 14, and a few malarial troubles. Public buildings in good condition. The new buildings at the Home are nearly completed.

ROBESON—Dr. R. F. Lewis, Lumberton. Whooping-cough reported. Not much sickness. An epidemic of hog cholera. Sanitary condition of county and public buildings good. Work on the new Home is progressing rapidly.

ROCKINGHAM—Dr. D. W. Courts, Reidsville. One case of typhoid fever known of. No reports from other physicians. Have heard of some typhoid in the northern part of county, and three deaths therefrom. The condition of the Home and jail very good.

ROWAN—Dr. J. J. Summerell, Salisbury. Reported: whooping-cough, 11; scarlatina, 4; diphtheria, 7; typhoid fever, 28; hemorrhagic malarial fever, 3. Malarial fevers have prevailed in many parts of county, more so than usual, owing to frequent freshets during the latter part of the summer and September. Public buildings in good sanitary condition and well conducted. Salisbury has adopted a good system of sanitary laws and is beginning an accurate collection of vital statistics.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. A few cases of typhoid fever reported. Chicken cholera. Sanitary condition of county very good. The condition of the public buildings is as good as their faulty and unsanitary construction will admit of.

SAMPSON—Dr. John A. Stevens, Clinton. A few cases of typhoid and malarial fevers. Not much sickness. Hog cholera. No report from other physicians. The condition of the jail and Home very good.

STANLY—Dr. J. W. Littleton, Albemarle. Health of county good. Two deaths from typhoid fever. Home and jail well kept; inmates in good health.

STOKES—Dr. J. W. Neal, Meadows. Reported: diphtheria, 3; typhoid fever, 6. Sanitary condition of county and public buildings good.

SURRY—Dr. J. B. Hollingsworth, Mt. Airy. The report was mailed but not received.

SWAIN—Dr. R. L. Davis, Bryson City. Two cases of typhoid fever. Sanitary condition of county and public buildings fairly good.

TRANSYLVANIA—Dr. N. E. Lyday, Calhoun. One case of scarlatina and five of typhoid fever. Sporadic diphtheria has prevailed in different parts, with one death. There have been three deaths from typhoid, but it is diminishing in number of cases and severity rapidly. Sanitary condition of public buildings good.

TYRRELL—Dr. Ab. Alexander, Columbia. Five cases of typhoid fever and six of hemorrhagic malarial fever. The jail has poor sanitary arrangements.

UNION—Dr. J. E. Ashcraft, Monroe. Reported: whooping-cough, 12 or 15; typhoid fever, 6; malarial fever, hemorrhagic malarial fever, 8 or 10, Sanitary condition of county and public buildings good. The jail is new and one of the best in the State.

VANCE—Dr. W. T. Cheatham, Henderson. No epidemic. Some mild cases of dysentery and fevers of a typhoid type

have prevailed in some parts. Sanitary condition of public buildings never better.

WAKE—Dr. James McKee, Raleigh. No epidemic. Two cases of whooping-cough and one of typhoid fever. Dr. Cotten, of Morrisville, is the only physician who has reported. Sanitary condition of county and public buildings good.

WARREN—Dr. P. J. Macon, Warrenton. A few cases of malarial fever prevailed in marshy lowlands. Sanitary condition of public buildings very good.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. No sickness of any note. Sanitary condition of county and public buildings very good.

WAYNE—Dr. W. J. Jones, Jr., Goldsboro. Reported: whooping cough, 40; typhoid fever, 8; hemorrhagic malarial fever, 3; ordinary malarial fevers. Sanitary condition of county very good; that of the jail and Home very much improved.

WILKES—Dr. J. W. White, Wilkesboro. Three cases of whooping-cough and two of typhoid fever. Sanitary condition of the county is good; that of the public buildings good under the circumstances; drainage and cleanliness are attended to.

WILSON—Dr. Albert Anderson, Wilson. Two cases of diphtheria and a few of pernicious and hemorrhagic malarial fevers reported. Intermittent and remittent fevers have prevailed in all parts of the county. Sanitary condition of county and public buildings good.

YADKIN—Dr. T. R. Harding, Yadkinville. Whooping-cough and typhoid fever of a mild type have prevailed in several parts. Diphtheria is reported. Sanitary condition of county and public buildings good. No reports from other physicians.

YANCEY—Dr. J. L. Ray, Burnsville. Five cases of typhoid fever. No epidemic. Sanitary condition of county moderately good. The jail has been filthy as usual for the past month, but I hope the grand jury will see to it, as court is in session. The Home is fairly well kept, but needs a little work before cold weather.

Review of Diseases for October, 1893.

BRONCHITIS—From Catawba and Randolph.

CHOLERA, IN CHICKENS—From Granville and Rutherford.

CHOLERA, IN HOGS—From Clay, Columbus, Dare, Duplin, Montgomery, Orange, Person, Robeson and Sampson.

CHOLERA, IN SHEEP—From Alleghany.

DIPHTHERIA — From Alleghany, Buncombe, Cabarrus, Catawba Cleveland, Dare, Davidson, Davie, Forsyth, Granville, Guilford, Jackson, Lincoln, Mecklenburg, Pitt, Randolph, Rowan, Stokes, Transylvania, Wilson and Yadkin—21 counties.

DISTEMPER, IN DOGS—From Orange.

DYSENTERY—From Jackson, New Hanover, Onslow, Randolph and Vance.

HYDROPHOBIA—From Moore; "dumb rabies" from Guilford.

INFLUENZA—From Moore.

MALARIAL FEVER — From Alamance, Beaufort, Brunswick, Carteret, Cherokee, Chowan, Dare, Davie, Edgecombe, Gaston, Granville, Green, Hertford, Jones, Lenoir, Martin, Mecklenburg, Montgomery, Nash, New Hanover, Northampton, Onslow, Orange, Richmond, Rowan, Sampson, Union, Warren, Wayne and Wilson—30 counties.

MALARIAL FEVER, HEMORRHAGIC—From Carteret, Chowan, Dare, Edgecombe, Guilford, Jones, Montgomery, New Hanover, Onslow, Orange, Pender, Pitt, Rowan, Tyrrell, Union, Wayne and Wilson—17 counties.

MALARIAL FEVER, PERNICIOUS — From Carteret, Duplin, Gates, Granville, Hertford, Jones, Montgomery, New Hanover, Northampton, and Wilson—10 counties.

MALARIAL FEVER, TYPHO—From Alamance, Duplin, Durham, Moore and New Hanover.

SCARLATINA — From Alleghany, Buncombe, Edgecombe, Martin, Mecklenburg, Orange, Richmond, Rowan and Transylvania—9 counties.

TYPHOID FEVER—From Alexander, Ashe, Buncombe, Burke, Cabarrus, Caldwell, Catawba, Chatham, Clay, Cleveland, Columbus, Duplin, Durham, Forsyth, Gaston, Gates, Granville Guilford, Harnett, Henderson, Hertford, Jackson, Lenoir, Lincoln, McDowell, Martin, Mecklenburg, Mitchell, Moore, New Hanover, Northampton, Orange, Polk, Randolph, Richmond, Rockingham, Rowan, Rutherford, Sampson, Stanly, Stokes, Swain, Transylvania, Tyrrell, Union, Vance, Wake, Wayne, Wilkes, Yadkin and Yancey—51 counties.

WHOOPING-COUGH—From Alleghany, Bladen, Carteret, Cabarrus, Forsyth, Gates, Jones, Moore, New Hanover, Orange, Pitt, Randolph, Robeson, Rowan, Union, Wake, Wayne, Wlikes and Yadkin—19 counties.

Summary of Mortuary Reports for October, 1893.

(TWENTY-FOUR TOWNS).

	White.	*Col'd.*	*Total*
Aggregate population	71,100	51,404	122,504
Aggregate deaths	75	80	155
Representing annual death-rate per 1,000	12.6	18.7	15.2
Causes of death.			
Typhoid Fever	7	2	9
Scarlet Fever	1	0	1
Malarial Fever	7	12	19
Diphtheria	2	0	2
Pneumonia	2	4	6
Consumption	9	14	23
Brain diseases	3	3	6
Heart diseases	7	5	12
Neurotic diseases	1	1	2
Diarrhœal diseases	9	10	19
All other diseases	25	28	53
Accident and Violence	1	1	2
Suicide	1	0	1
	75	80	155
Deaths under 5 years	26	25	51
Still-born	3	2	5

Condition of Jails and County Homes by Counties for October, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	22 (*a*)				29			
Alexander	2				10			
Ashe	2	*		1	9	500		2
Alleghany	0				4	*		1
Anson								
Beaufort	8				14			
Bertie								
Bladen	0				8			
Brunswick	5	1000	0	3	10	750	0	0
Buncombe	65 (*b*)	* (*c*)	20	41	26	450–1750	19	12
Burke	7	650	2	5	10	700	4	6
Cabarrus	36 (*d*)	900	4	6	24	*	6	7
Caldwell	5	*	3	4	7	*	3	2
Camden								
Carteret	0				0			
Caswell	8				22			
Catawba	5			5	29			21
Chatham	4	*	1	4	28	*	12	10
Cherokee								
Chowan					7			
Clay	0				0			
Cleveland	39	700		21	26	997		4
Columbus	5	*		2	14	*		0
Craven	15	750	6	5	18	*	15	3
Cumberland					19			
Currituck								
Dare								
Davidson	4	*	0	1	23	721	0	2
Davie	1	*	0	1	7	*	2	0
Duplin	1	*	0	0	10	*	4	4
Durham	30 (*e*)	308			14	855		
Edgecombe	11	*	3	4	28	*	5	4
Forsyth	32	900	10	6	30	*	5	4

* Space exceeds 1,000 cubic feet. (*a*) Includes 4 in House of Correction. (*b*) Includes 44 in House of Correction. (*c*) Refers to jail. Space in Work-house is 175 to 300. (*d*) Includes 25 in House of Correction. (*e*) All in House of Correction.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	6	1000	1	2	23	500	3	2
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	0	.....	.....	.....	8	*	0	0
Graham	2	456	0	1	0	.....	.....	.....
Granville	5	*	0	1	30	.....	11	9
Greene	1	500	.....	1	8	1000	.....	1
Guilford	31	351	7	12	40	1000	16	10
Halifax	10	1000	5	6	49	700	13	8
Harnett	0	.....	.....	.....	1	.....	.....	.....
Haywood	8	.....	.....	.....	.....	.....	.....	.....
Henderson	7	.....	.....	.....	1	.....	.....	.....
Hertford	4	.....	.....	.....	9	.....	.....	.....
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	0	.....	.....	.....	2	.....	.....	.....
Johnston	6	1000	* 1	1	13	1200	0	0
Jones	2	*	1	1	4	*	2	2
Lenoir	9	*	.....	.....	.....	.....	.....	.....
Lincoln	4	*	.....	.....	26	300	.....	6
McDowell	9	.....	0	2	15	.....	0	1
Macon	0	.....	.....	.....	1	*	1	1
Madison	7	300	0	3	14	600	0	2
Martin	0	.....	.....	.....	14	*	4	4
Mecklenburg	111 (*a*)	*	0	.....	53	*	0	.....
Mitchell	11	.....	.....	.....	6	.....	.....	.....
Montgomery	5	500	.....	.....	12	500	.....	.....
Moore	2	*	0	2	8	*	2	3
Nash	8	600	4	7	36	1000	5	6
New Hanover	45 (*b*)	500	7	13	23	*	16	.....
Northampton	6	1000	.....	.....	24	800	.....	.....
Onslow	5	.....	.....	2	4	.....	1	1
Orange	7	1030	1	4	15	* *	7	1
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

* Space exceeds 1,000 cubic feet. (*a*) Includes 93 in House of Correction (*b*) Includes 19 in House of Correction. The air space in House of Correction is far too small, much less than 500.

Condition of Jails and County Homes by Counties.—Continued.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender	2				5			
Perquimans								
Person	3	1000		2	16	750		3
Pitt	12		3	5	22			
Polk								
Randolph	19				35			
Richmond	9		1	3	12		1	1
Robeson	5	*			9	800		
Rockingham	8	343	1		34	720	15	
Rowan	15	500		4	23	*		
Rutherford	11	800			27	800		
Sampson	5				25			
Stanly								
Stokes	2				15			
Surry								
Swain	3				4			
Transylvania	2							
Tyrrell	4	*	0	3	0			
Union	10				15			
Vance	5	*		2	19			4
Wake	78 (*a*)	*			63	*		
Warren	3	*		2	20	*		3
Washington								
Watanga	4				7			
Wayne	12		0	5	15		5	4
Wilkes	1				14			
Wilson	10	*	1	5	34	*	2	8
Yadkin	8	600	0	3	26		0	7
Yancey	6	384	1	3	3	*		

* Space exceeds 1,000 cubic feet. (*a*) Includes 69 in House of Correction.

Mortuary Report for October, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident and Violence.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	8,000	12,000	15.0	12.0	...	...	...	1	..	...	2	2	...	...	...	...	5	...	...	10	12	5	...
Dr. H. L. Baird.	Colored.	4,000		6.0		...	...	..	...	...	...	...	1	...	...	...	...	1	...	...	2		1	...
Charlotte	White.	9,000	14,000	21.3	23.1	3	...	...	...	...	...	...	2	...	3	...	3	5	...	...	16	27	5	1
Fred. Nash, Esq.	Colored.	5,000		24 4		...	...	1	...	...	...	1	2	...	1	...	...	6	..	...	11		5	...
Durham	White.	4,500	8,000	10.7	6.0	1	...	..	...	..	...	...	...	...	...	1	1	1	...	...	4	4	...	...
Dr. J. M. Manning.	Colored.	3,500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	0		...	...
Fayetteville	White.	2,800	5,000	12.8	14 4	...	...	1	...	..	...	...	...	...	1	...	...	1	...	...	3	6	...	1
Dr. J. H. Marsh.	Colored.	2,200		16.3		...	...	1	...	...	...	...	...	...	...	...	1	1	...	...	3		1	...
Goldsboro	White.	2,800	5,000	0.0	2.4	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
T. H. Bain, Esq.	Colored.	2,200		5.4		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		...	...
Henderson	White.	2,250	4,250	21.3	11.3	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	4	4	...	...
Dr. W. T. Cheatham.	Colored.	2,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Hillsboro	White.	600	1,000	20.0	24.0	...	...	1	...	...	...	...	...	..	...	...	...	...	...	...	1	2	...	...
Dr. D. C. Parris.	Colored.	400		30.0		..	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Lexington	White	1,800	2,100	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0		...	...
Marion	White.	650	800	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. B. A. Cheek.	Colored.	150		0 0		...	...	...	...	...	...	...	...	...	...	...	...	..	..	...	0		...	...
Monroe	White.	1,500	2,000	0.0	0.0	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. J. M. Blair.	Colored.	500		0.0		...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0		...	...
Oxford	White.	1,700	3,300	14.1	18.2	...	..	...	...	...	...	...	...	...	...	...	...	2	...	...	2	5	1	...
Dr. Patrick Booth.	Colored.	1,600		22.5		...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	3		...	...
Raleigh	White.	8,000	15,000	12.0	19.2	1	...	...	...	...	...	...	1	1	2	...	...	3	...	...	8	24	2	...
Dr. James McKee.	Colored.	7,000		27.3		...	...	...	...	...	...	1	3	3	1	...	2	6	...	...	16		9	1
Rockingham	White.	1,200	1,700	10.0	14.1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	...	...
Dr. J. M. Stansill.	Colored.	500		24.0		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Rocky Mount	White.	1,200	1,600	10.0	15.0	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...
Dr. G. L. Wimberley.	Colored.	400		30.0		1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1		...	...
Salem	White.	3,942	4,284	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Mayor T. B. Douthit.	Colored.	342		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salisbury	White.	3,500	5,000	3.4	9.6	...	...	..	...	...	...	...	...	1	...	...	...	...	...	...	1	4	1	...
Dr. J. J. Summerell.	Colored.	1,500		24.0		...	...	1	...	...	...	...	1	...	1	...	...	...	...	...	3		...	...
Scotland Neck	White.	700	1,100	51.4	43.6	...	...	...	...	...	...	..	2	...	...	...	...	1	..	...	3	4	1	...
Mayor J. A. Perry.	Colored.	400		30.0		...	...	..	...	...	...	...	...	...	...	...	1	...	...	...	1		...	...
Southport	White.	750	1,200	48.0	30.0	...	...	...	...	...	...	..	..	1	...	...	...	2	...	...	3	3	3	...
Mr. E. H. Cranmer, Jr.	Colored.	450		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Tarboro	White.	1,258	2,370	28.6	15.2	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	3	3	3	...
Dr. Donald Williams.	Colored.	1,112		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Warrenton	White.	750	1,300	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. P. J. Macon.	Colored.	550		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Washington	White.	2,500	4,500	9.6	10.7	...	...	2	...	...	...	...	...	...	...	...	...	..	...	...	2	4	..	...
Dr. D. T. Tayloe.	Colored.	2,000		12.0		...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	2		...	...
Weldon	White.	700	1,500	17.1	16.0	...	1	...	...	...	...	...	...	...	...	...	..	...	...	...	1	2	1	...
Mayor J. T. Gooch.	Colored.	800		15.0		...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1		...	...
Wilmington	White.	9,000	22,000	13.3	22.9	1	...	2	...	...	...	...	2	...	1	...	1	1	1	1	10	42	4	1
Dr. R. D. Jewett.	Colored.	13,000		31.1		1	...	9	...	...	...	1	5	...	2	...	4	10	...	...	32		9	1
Wilson	White.	2,000	3,500	12.0	13.8	...	...	1	1	...	...	...	...	...	...	...	...	..	...	...	2	4	...	...
Dr. Albert Anderson.	Colored.	1,500		16.0		...	...	...	..	...	...	...	...	...	...	...	...	2	...	...	2		...	...

Meteorological Summary for North Carolina, October, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. BATTLE, PH. D., Director. C. F. VON HERRMANN, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).											No. OF DAYS.				
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.	Mean Rel. Humidity.	Total Precipitation.	Clear.	Partly Cloudy.	Cloudy.	Rainy.	Prevailing Wind.
Asheville	55.8	81	10	68.2	23	30	43.5	58	24.7	67.7	5.36	24	3	4	8	N.
Bakersville	53.5	84	12	66.2	18	31	40.8	66	25.4	.....	5.52	21	3	7	9	.....
Blowing Rock	54.9	76	6	69.8	19	31	40.0	57	29.8	.....	.....	.....	.....	.....	.....	.....
Charlotte	60.4	85	9	69.5	32	31	51.3	53	18.2	76.4	8.27	16	7	8	10	N. E.
Chapel Hill	59.2	88	9	71.3	29	31	47.0	59	24.3	.....	6.75	.....	.....	.....	9	.....
Horse Cove	55.6	77	9	65.1	25	30	46.2	52	18.9	.....	1.56	18	8	5	5	N. E.
Littleton	57.6	87	9	69.1	28	30	46.0	59	23.1	.....	6.00	11	7	13	7	N E.
Lenoir	56.6	79	10	65.1	28	31	50.6	51	14.5	.....	8.30	17	2	12	7	N. E.
Louisburg	57.6	79	9	66.8	29	31	48.5	50	18.3	87.0	4.21	10	11	10	8	N. W.
Mt. Airy	56.4	81	9	67.2	22	31	45.6	59	21.6	.....	5.96	15	3	12	7	S W.
Mt. Pleasant	59.8	85	9	70.1	28	31	49.9	57	20.3	.....	6.53	16	4	11	8	N. E.
Marion	57.6	89	9	69.7	23	16	45.5	66	24.2	.....	8.75	22	.....	9	5	.....
Newbern	60.4	76	8	68.4	37	31	52.5	39	15.9	.....	4.47	.....	.....	.....	7	.....
Oak Ridge	56.6	82	9	66.5	25	31	46.7	57	19.8	.....	7.26	16	6	9	8	N. E.
Pittsboro	58.0	81	9	70.5	27	31	45.5	54	25.0	.....	5.70	18	3	10	6	N. E.
Raleigh	59.6	84	9	68.5	31	30	50.6	53	17.9	80.0	5.57	20	5	6	9	N.
Rockingham	59.6	82	10	70.2	30	31	49.0	52	21.2	.....	3.83	.....	.....	.....	6	.....
Roxboro	57.0	81	9	66.5	27	30	47.5	54	19.0	.....	7.28	20	4	7	7	.....
Soapstone Mount	58.2	85	9	70.7	25	31	45.8	60	24.9	.....	6.89	13	9	9	8	S. W.
Saxon	56.1	84	10	68.7	22	30	43.5	62	25.2	.....	6.83	14	7	10	9	N. E.
Southern Pines	61.0	83	9	70.8	30	31	51.3	53	19.5	77.4	5.81	22	2	7	8	E.
Salisbury	60.0	80	9	67.5	30	31	52.6	50	14.9	.....	5.89	.....	.....	.....	7	.....
Tarboro	61.1	88	9	73.6	33	30	48.7	55	24.9	.....	4.84	.....	.....	.....	5	N.
Willeyton	60.0	85	9	70.3	33	30	49.7	52	20.6	.....	3.28	9	14	8	5	N.
Weldon	59.6	84	9	69.4	31	31	49.7	53	19.7	.....	5.46	18	5	8	10	N.
Wilmington	64.4	82	9	72.4	38	31	56.5	44	15.9	81.0	3.26	15	9	7	9	N. E.

STATE METEOROLOGICAL SUMMARY FOR OCTOBER, 1893.

Mean Barometer, 30.10 inches; normal for October, 30.09. Highest Barometer, 30.56 on the 17th, at Lynchburg, Va. Lowest Barometer, 27.67 on the 13th, at Raleigh.

Mean temperature, 59.1 degrees; normal for October, 59.7. Highest temperature, 92 on the 8th, at Lumberton. Lowest temperature, 18 on the 30th, at Bakersville.

Average rain-fall, 5.52 inches; normal for October, 3.66 inches. Greatest monthly rain-fall, 11.31 inches at Columbus. Least monthly rain-fall 0.75 inches at Murphy.

Average number of clear days, 17; partly cloudy, 6; cloudy, 8; rainy, 8.

Prevailing wind direction, north-east; average velocity, 8.5 miles per hour. Normal direction for October, north-east. Normal velocity, 7.5 miles per hour.

BULLETIN

OF THE

NORTH CAROLINA BOARD OF HEALTH.

Published Monthly at the Office of the Secretary of the Board, at Raleigh, N. C.

SUBSCRIPTION, 25 CENTS A YEAR.

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W. H. Harrell, M. D.....Williamston.
Geo. Gillett Thomas, M. D...Wilmington.
W. H. G. Lucas, M. D.....White Hall.
John Whitehead, M. D. .....Salisbury.
Prof. F. P. Venable.....Chapel Hill.
J. C. Chase, Civ. Eng.....Wilmington.
Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

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Vol. VIII. DECEMBER, 1893. No. 9.

Sanitary Progress in 1893.

With this issue of the Bulletin the edition will be increased from eight to twelve hundred copies, and it will hereafter be sent to every member of the State Medical Society as well as to every other person interested enough in it to ask for it. It is to be regretted that at present the means at the disposal of the Board of Health does not permit its being sent to every physician in the State. Although it is well known that there are many excellent men who have never, for various and doubtless good reasons, connected themselves with that organization, the fact that a physician is a member of the State Society is presumptive evidence that he is wide awake and interested in his profession. No one who really keeps abreast with medical progress can be indifferent to the claims of preventive medicine which has made such rapid strides in late years. The Board of Health realizes that the success of the cause they have in charge depends upon the interested support of the medical profession. Without that support its most earnest efforts must prove for the most part fruitless. It is in the hope of exciting a more active interest on the part of the, generally speaking, representative medical men throughout the State that this step is taken. The strange indifference, amounting in some cases almost to actual hostility, to the claims of sanitation shown unfortunately by many of our physicians—men from whom better things might be expected—is the most discouraging obstacle we have to face. There is not in the health laws of the State a single claim made upon its medical citizens which a decent regard for humanity not only justifies but demands—as a careful perusal of the same will, we think, prove to any reasonable man. It is therefore hoped and believed that by bringing these matters frequently to their attention through the monthly visits of the Bulletin greater interest in the cause in general and a more loyal support of the law in particular will be excited among our leading physicians. This being accomplished, it is not unreasonable to anticipate that the influence of their example will gradually but surely bring about

a similar state of affairs among their professional associates and the people at large. While all that has been written is only too true, we have, nevertheless, made gratifying progress in the past twelve months, as a comparison of the present number of the BULLETIN with that for November, 1892, will show. At that time out of a total of ninety-six counties only sixty-four had Superintendents of Health, of which number only forty-three reported, while this month the number of Superintendents recorded is eighty-eight, of whom *not one failed to report.* This is very encouraging. We are further encouraged by the fact that two of our principal towns, Salisbury and Oxford, have adopted the model health ordinance sent out by the Board during the summer, which, if enforced, will insure accurate and reliable vital statistics—something greatly to be desired. But we will consider this subject at length in a subsequent issue.

By the time this reaches our readers the new year will be impending. Among the good resolutions to be made on its first day there will be numbered, we trust, one on the part of every medical reader at least to do more than ever before for the noble cause of preventive medicine.

Small-pox.

Small-pox is, we regret to say, spreading rapidly over the United States. Winter is the season most favorable to its diffusion. The rapid and easy communication between all parts of the country renders its introduction more than likely. The immense number of unvaccinated persons in our State furnishes a most fruitful and inviting field for the work of this most dreadful disease. All our medical readers, Superintendents of Health especially, are urged to be on the alert and to immediately and strictly quarantine every case, including those that are suspicious, vaccinating promptly not only those who may have been exposed, but every one whom the fright may have induced to seek that protection. The name and address of a reliable dealer in vaccine will be gladly furnished if desired.

Death of Dr. Summerell.

It is with heartfelt sorrow that we record the death from double pneumonia, consequent upon an attack of the grip, of Dr. J. J. Summerell, of Salisbury, Superintendent of Health of Rowan county. On the afternoon of Sunday, the 17th inst, at the age of seventy-four, this faithful physician, sterling citizen and Christian gentleman, surrounded by his children and in possession of the respect and affection of his neighbors, after a long life of usefulness and honor, passed to his reward. The State, the medical profession, and especially the cause of sanitation in North Carolina, have suffered a serious loss. While the oldest, he was, nevertheless, one of the most active and enterprising Superintendents in the State. We shall miss him, personally as well as officially.

Summary of Reports from County Superintendents for November, 1893.

(EIGHTY-EIGHT COUNTIES REPORTING).

ALAMANCE—Dr. G. W. Long, Graham. Typhoid fever has prevailed to a limited extent. The work-house is too small for health. The old jail is being discussed, with some prospect of being improved.

ALEXANDER—Dr. R. B. Killian, Taylorsville. No sickness of importance. Sanitary condition of public buildings very good. No reports from other physicians.

ALLEGHANY—Dr. C. G. Fowlkes, Topia. Reported: whooping-cough, 3; scarlatina, 2; diphtheria, 16; typhoid fever, 2. Diphtheria is more mild and throat diseases seem to be abating. The County Com-

missioners are having the Home made more comfortable.

ANSON—Dr E. S. Ashe, Wadesboro. Six cases of hemorrhagic malarial fever. Malarial fever has prevailed in nearly all sections. Sanitary condition of county as good as could be expected; that of the public buildings all that could be desired. The court-house is being repaired, which will be quite an acquisition to the town.

ASHE—Dr L. C. Gentry, Jefferson. Seven cases of typhoid fever left over from last month. A few cases of congestive influenza. Very little sickness. One physician reported. Sanitary condition of public buildings good; water is supplied to the jail in pipes from a cold spring. Arrangements are being made for additional room at the Home.

BEAUFORT—Dr D. T Tayloe, Washington. Malarial and bronchial troubles have prevailed in mild form. County very healthy. Sanitary condition of public buildings very good.

BERTIE—No Board of Health.

BLADEN—Dr. Newton Robinson, Elizabethtown. No diseases reported, except cholera among hogs. Sanitary condition of county good and public buildings fairly good. The court-house is nearing completion.

BRUNSWICK—Dr. D. I. Watson, Southport. Malarial fevers have prevailed in all parts. Eight cases of pernicious fever reported, and some cholera among hogs. "Physicians throughout the county fail to give me information, though I have asked them to do so and told them I would remunerate them for any expense incurred."

BUNCOMBE—Dr. H. L. Baird, Asheville. Influenza and measles have appeared in several parts to a slight extent. One case of typhoid fever and one of diphtheria reported. The Instructions for Quarantine and Disinfection are carried out. Sanitary condition of county good and of public buildings fair. The jail gives most trouble, but it is cleaner now than for some weeks. It has good sewerage.

BURKE—Dr. J. L. Laxton, Morganton. Two cases of typhoid fever reported, and a few of pneumonia. Colds have prevailed in all parts. Sanitary condition and health of county good. The public buildings are in as good sanitary condition as the structures will admit of.

CABARRUS—Dr Robt. S. Young, Concord. Reported: whooping-cough, 12; diphtheria, 8; typhoid fever, 21. Three reports received. "The Instructions for Quarantine and Disinfection are not carried out by our physicians."

CALDWELL—Dr. A. A. Kent, Lenoir. Reported: diphtheria, 5; typhoid fever, 10. Influenza and catarrhal diseases have prevailed. Three doctors out of eight report. The fire-places in the jail and Home need fenders very much; the jail came near burning recently by fire rolling down at night, and at the Home two inmates have been dangerously burned within a month by falling in the fire.

CAMDEN—No Board of Health.

CARTERET—Dr. Geo. N. Ennett, Cedar Point. A few cases of chronic malarial fever in a few localities. Marked improvement in the sanitary condition of the entire county. The condition of the public buildings is good.

CASWELL—Dr. W. O. Spencer, Yanceyville. Whooping-cough prevailing in some localities, malarial fever and some typho-malarial in the north-western section. No report from other physicians. Efforts are being made to improve the heating of the jail. The jail is very inferior and poorly constructed in various respects.

CATAWBA—Dr. Geo. H. West, Newton. Four cases of typhoid fever. One physician reported.

CHATHAM—Dr. L. A. Hanks, Pittsboro. A few cases of pneumonia and two of typhoid fever reported. Catarrhal affections have prevailed in some parts. The sani-

tary condition of the public buildings is very good; cleanliness is enforced and there is sufficient ventilation.

CHEROKEE—Dr. J. F. Abernathy, Murphy. County dryer than for many years. No sickness to report. Sanitary condition of public buildings good.

CHOWAN—Dr. R. H. Winborne, Barnitz. Malarial fevers have prevailed, but are disappearing. Whooping-cough in Edenton. Sanitary condition of public buildings good. The Commissioners have ordered thorough repairs to the Home.

CLAY—Dr. Geo. T. Hine, Warne. Influenza, typhoid fever (8 cases) and "continued fever" have prevailed in various parts. A mild epidemic of hog cholera in three townships.

CLEVELAND—Dr. O. P. Gardner, Shelby. No disease reported. Sanitary condition of public buildings fairly good.

COLUMBUS—Dr. I. Jackson, Whiteville. Sanitary condition of county good. "I have seen several cases of a slow fever, but the prominent symptoms of typhoid were absent. Several families have had influenza, resembling whooping-cough in some respects." Sanitary condition of public buildings good. Hog cholera in some sections.

CRAVEN—Dr. Leinster Duffy, Newbern. Very little sickness; some scattering cases of malarial fever. Sanitary condition of county and public buildings good.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. Two cases of scarlet fever and one of hemorrhagic malarial fever. Some malarial fever exists. A new cottage has been built at the Home. The public buildings are in good condition.

CURRITUCK—No Board of Health.

DARE—Dr. W. H. Peterson, Manteo. One case of typhoid fever and one of pernicious malarial fever. Health and sanitary condition of county quite good. Hog cholera. Public buildings in good condition.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. No reports from other physicians. No epidemic. Sanitary condition of county and public buildings good.

DAVIE—Dr. James McGuire, Mocksville. Malarial fever has prevailed in north-eastern part. Reports from two physicians. Sanitary condition of public buildings moderately good.

DUPLIN—Dr. W. P. Kennedy, Warsaw. Four physicians reported. Quinsy and bronchitis have prevailed in nearly all parts and malarial and typho-malarial fevers to a slight extent in some sections. Little sickness. Condition of jail and Home good, and improving all the time. When the jail is completed we will have as good as there is in the State.

DURHAM—Dr. John M. Manning, Durham. Malarial and catarrhal fevers, pneumonia and varicella have prevailed in some sections. Some parts of town not in good sanitary condition. That of the public buildings good.

EDGECOMBE—Dr. Donald Williams, Tarboro. Reported: scarlatina, 2; pernicious malarial fever, 1; hemorrhagic malarial fever, 7. Malarial diseases have decreased. The scarlatina has been properly quarantined and the premises disinfected. The public buildings are in fair condition.

FORSYTH—Dr. D. N. Dalton, Winston. A few cases of typhoid fever. Influenza in a mild form rather prevalent. Sanitary condition of county and public buildings good.

FRANKLIN—Dr. E. S. Foster, Louisburg. Typhoid fever and pneumonia in several sections. Some chicken cholera. Doctors will not report. Sanitary condition of public buildings very good.

GASTON—Dr. J. H. Jenkins, Dallas. Some typhoid fever and influenza. An epidemic of distemper among domestic animals. Home and jail in fair condition.

GATES—Dr. I. W. Costen, Gatesville. Typhoid fever, two cases. Malarial fever has subsided considerably. A few cases of

pneumonia and one of whooping-cough. A mild form of scabies prevails. Sanitary condition of public buildings good; some improvements going on.

GRAHAM—Dr. M. T. Maxwell resigned November 16, and Dr. S. H. McNeely, Robbinsville, was elected Superintendent in his place. He reports influena and tonsillitis prevailing in Cheoah township. The sanitary condition of the county good and that of the public buildings as good as can be under the circumstances.

GRANVILLE—Dr. P. Booth, Oxford. Reported: whooping-cough, 5; diphtheria, 1; typhoid fever, 5; a few cases of chicken cholera. Seven out of twenty physicians sent reports; those in the country respond better than those in town. Instructions for Quarantine and Disinfection followed where possible. Sanitary condition of public buildings good, except the Home, which is too crowded. The Commissioners are building another house of two rooms. The town has organized a local Board of Health and adopted health ordinances. The mortuary report is accurate.

GREENE—Dr. E. H. Sugg, Snow Hill. No sickness of importance, except a few cases of malarial fever. Sanitary condition of county and public buildings good.

GUILFORD—Dr. A. R. Wilson, Greensboro. Sanitary condition and health of county good. Influenza, bronchitis and tonsillitis have prevailed in town and neighborhood. Condition of jail bad, of Home good. The case of hemorrhagic malarial fever reported last month was not indigenous; the patient had recently come from another county.

HALIFAX—Dr. I. E. Green, Weldon. Very little sickness; some malarial fever and three cases of hemorrhagic malarial. Sanitary condition of public buildings good.

HARNETT—Dr. R. B. Wilson, Bunn's Level. Reported: scarlatina, 8; typhoid fever, 4; hemorrhagic malarial fever, 1. Sanitary condition of county good; that of jail fair—something might be added to the comfort of the inmates and their safety in case of fire. The Sheriff will look after this.

HAYWOOD—Dr. J. Howell Way, Waynesville. Five cases of typhoid fever. Mild catarrhal inflammations have prevailed all over the county. Sanitary condition of public buildings as satisfactory as they will permit.

HENDERSON—Dr. J. L. Egerton, Hendersonville. One case of typhoid fever. Nothing more. Public buildings in good sanitary condition.

HERTFORD—Dr. John W. Tayloe, Union. Eight cases of typhoid fever and one of hemorrhagic malarial fever. Sanitary condition of county good. Illness prevented a visit to jail and Home for this report.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill, Statesville. Reported: whooping-cough, several cases; typhoid fever, 13; pernicious malarial fever, 1; influenza; bronchitis; some pneumonia. Malarial fevers more common than usual. Sanitary condition of county and public buildings as good as usual. Have had ventilators put in ceiling of the rooms in jail, opening into garret, which is also ventilated. Six physicians report this month against none for last month.

JACKSON—Dr. W. E. Tompkins, Webster. Five cases of typhoid fever and three of membranous croup. An epidemic of hog cholera. Condition of county fair. The Home is new and comfortable. We have no jail. Two physicians reported.

JOHNSTON—Dr. R. J. Noble, Smithfield. No diseases reported. Sanitary condition of public buildings good.

JONES—Dr. R. A. Whitaker, Trenton. Very little sickness. No reports from other physicians. Sanitary condition of county and public buildings good. The roof of the jail needs some repairs, and I have called the attention of the Commissioners

to it. When this work is done it will be one of the best in the State.

LENOIR—Dr. C. B. Woodley, Kinston. Intermittent fever has prevailed in some parts.

LINCOLN—Dr. W. L. Crouse, Lincolnton. One case of diphtheria and three of typhoid fever. Colds and rheumatism have prevailed in all parts. County is healthy. I think the neglect of springs and wells by allowing rotten wood to be washed in causes more typhoid fever than any other cause. No physician reports. Jail and Home well kept and healthy.

MACON—Dr. S. H. Lyle, Franklin. Four cases of typhoid fever. Ordinary colds have prevailed in all parts. Health of county remarkably good. Sanitary condition of public buildings good.

MADISON—Dr. Jas. H. Hardwicke, Marshall. No physicians have reported. There have been a few cases of pneumonia. Influenza has prevailed for the past week. Sanitary condition of Home good; of jail bad.

MARTIN—Dr. W. H. Harrell, Williamston. Whooping-cough, scarlatina and typhoid fever have prevailed in some sections. There has been some hog cholera. I have been notified of the existence of scarlatina in the upper part of the county, but have no report of the number of cases. I can get no doctor to report. My reports are of no value as to the county generally. The jail is in good condition. Since last month I have brought before the Commissioners the uncomfortable condition of the Home and got an order to have the needed repairs made at once.

MCDOWELL—Dr. B. A. Cheek, Marion. Influenza epidemic all over the county. Some cases of hog cholera. No report from any doctor. Sanitary condition of public buildings good.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Reported: scarlatina, 5; diphtheria, 4; typhoid fever, 5. Catarrhal influenza has prevailed in some parts. There are two localities in the county in which there has been an epidemic of typhoid fever and which in my opinion, in one instance especially, was caused by drinking water from a well in proximity to a grave-yard. Sanitary condition of public buildings good.

MITCHELL—Dr. W. P. Upton, Bakersville. Three cases of typhoid fever. Sanitary condition of county good and that of jail about as usual.

MONTGOMERY—Dr. W. A. Simmons, Troy. The county is remarkably healthy for the time of year. There has been an epidemic of hog cholera. The public buildings would look better if they were built anew, but they are good enough, I think.

MOORE—Dr. Gilbert McLeod, Carthage. Very little sickness, except a mild epidemic of whooping-cough and two cases of typhoid fever. Only three physicians sent in reports. The public buildings are in good sanitary condition.

NASH—Dr. J. J. Mann, Nashville. Pneumonia pevails in some parts. Sanitary condition of public buildings very good.

NEW HANOVER—Dr. R. D. Jewett, Wilmington. Sixteen physicians report: diphtheria, 1; typhoid fever, 4; pernicious malarial fever, 6; typhoid malarial fever, 4. Malarial fevers, influenza and other catarrhal troubles, entero-colitis and rheumatism the most prevalent diseases. The pernicious cases of fever were from the practice of one physician. In the case of diphtheria the Instructions for Quarantine and Disinfection were carried out. Sanitary condition of county and public buildings good, except the House of Correction. A new brick building is nearing completion for these prisoners and a steam heater has been put in for this and the insane department. The prisoners have had no artificial warmth heretofore.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. One case of typhoid fever. Malarial diseases have prevailed in all parts. Ma-

larial hematuria (seven cases reported) has been more common than usual in some sections, due to the many freshets in the Roanoke this autumn and bad drainage of the lowlands. These have all occurred in the vicinity of the river and in badly drained sections. The jail is in good order. The Home is in good condition, except the insane department, which is in bad condition.

ONSLOW—Dr. E. L. Cox, Jacksonville. Five cases of whooping-cough and one of scarlatina. There was a great deal of malarial fever during the first of the month. The Home is greatly improved and is very comfortable, and the jail also. No prisoners in jail.

ORANGE—Dr. D. C. Parris, Hillsboro. A few cases of whooping-cough and of typhoid fever. Catarrhal diseases have prevailed in all parts. The sanitary condition of public school buildings in many places is not good for winter, owing to the want of proper heating and ventilation. The condition of the other public buildings good except the jail.

PAMLICO—No Board of Health.

PASQUOTANK—No Board of Health.

PENDER—Dr. Walter C. Murphy, Burgaw. Two cases of diphtheria and twelve of typhoid fever. Continued and typho-malarial fevers have prevailed. Doctors do not furnish information and it is impossible to render accurate reports. Sanitary condition of public buildings good.

PERSON—Dr. C. G. Nichols, Roxboro. Three cases of typhoid fever, in which the instructions were carried out. Very little sickness in the county. No physicians have reported. They will not do it. The jail is in better condition than it has been, but we are going to make further improvements. The Home is in very good order; the changes we have made add greatly to its comfort.

PERQUIMANS—No report.

PITT—Dr. W. H. Bagwell, Greenville. Three cases of typhoid fever. Whooping-cough has prevailed in some parts. Sanitary condition of county and public buildings fairly good. No reports from other physicians.

POLK—Dr. O. S. Missildine, of Tryon, has been appointed Superintendent of Health by the Board of County Commissioners. He reports: Little attention is paid to public sanitary matters, so that one or two of our villages are in bad condition. At this time of year it is less noticeable than in summer. No diseases to report. The sanitary condition of the jail is bad, just now made worse by a lunatic (negro woman) who will not keep clean nor be kept clean. The State asylum refuses to take her. The county has no Home. Its poor are cared for by contract. No complaint is made.

RANDOLPH—Dr. J. M. Boyette, Ashboro. Reported: whooping-cough, 4; scarlatina, 2; typhoid fever, 9; pneumonia; bronchial troubles; dysentery; membranous and spasmodic croup; malarial fevers. Jail in excellent sanitary condition considering the number of prisoners and the length of time they have been confined (two months). Special term of Court is in session and it will soon be emptied. The Home is in good condition.

RICHMOND—Dr. J. M. Stansill, Rockingham. Oral reports from six physicians: scarlatina, 4; diphtheria, 3; typhoid fever, 1; pneumonia; jaundice; catarrhal troubles. The Home is nearly completed: the other buildings are in good order.

ROBESON—Dr. R. F. Lewis, Lumberton. Very little sickness. Some whooping-cough. Hog cholera. County in good sanitary condition. The jail needs more room, and this has been impressed upon the minds of the Commissioners. The court-house is in excellent condition; so is the newly completed Home, which will be occupied during this month.

ROCKINGHAM—Dr. D. W. Courts, Reids-

ville. Reported: measles, 3; whooping-cough, several; diphtheria, 1; typhoid fever, 8; influenza; chicken cholera. Sanitary condition of county and public buildings good.

ROWAN—Dr. J. J. Summerell, Salisbury. Eighteen physicians report: scarlatina, 2; diphtheria, 6; typhoid fever, 23; hemorrhagic malarial fever, 1; malarial and typho-malarial fevers; influenza; bronchitis; hog cholera. The public buildings are in good sanitary condition.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. Sanitary condition of the county very good and health never better. A number of cases of influenza reported. The public buildings as before.

SAMPSON—Dr. John A. Stevens, Clinton. No reports from other physicians. No contagious diseases. Hog cholera. Sanitary condition of jail and Home very good.

STANLY—Dr. J. W. Littleton, Albemarle. One case of typhoid fever. Influenza has prevailed in some parts. The towns might be improved by cleaning hog-pens and privies. There has been some effort in this direction in Albemarle. The public buildings are in very good condition.

STOKES—Dr. J. W. Neal, Meadows. Eight cases of typhoid fever. Sanitary condition of county and public buildings good.

SURRY—Dr. J. B. Hollingsworth, Mt. Airy. Two cases of typhoid fever. Pneumonia and tonsillitis have prevailed. Sanitary condition of county good, of jail good, but of Home not very good.

SWAIN—Dr. R. L. Davis, Bryson City. No sickness except bad colds. Sanitary condition of public buildings as good as it can be under present surroundings.

TRANSYLVANIA—Dr. A. E. Lyday, Calhoun. One case of scarlatina. Pneumonia has prevailed in different sections. Sanitary condition of county and public buildings good.

TYRRELL—Dr. Ab. Alexander, Columbia. One case of typhoid and two of hemorrhagic malarial fever. Malarial fever has been the prevalent disease. I think there is a mistaken idea with some of the Superintendents in what constitutes pernicious and hemorrhagic malarial fevers. Sanitary condition of county good. There has been an epidemic of hog cholera in Columbia, Gum Neck and Scuppernong townships. Many hogs have died, some farmers losing as many as forty, and others all they had.

UNION—Dr. J. E. Ashcraft, Monroe. Three or four cases of typhoid fever. Influenza has prevailed in all parts. Sanitary condition of county and public buildings good.

VANCE—Dr. W. T. Cheatham, Henderson. No physicians make monthly reports. Two cases of typhoid fever. Sanitary condition of county good so far as known and of public building excellent.

WAKE—Dr. James McKee, Raleigh. Reported: five cases of scarlatina and one each of whooping-cough, diphtheria and typhoid fever. No reports from physicians outside of city. Public buildings in good sanitary condition.

WARREN—Dr. P. J. Macon, Warrenton. No sickness to report. Sanitary condition of public buildings very good.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. Very mild influenza has prevailed all over the county. Sanitary condition of county and public buildings good.

WAYNE—Dr. W. Jones, Jr., Goldsboro. Six out of seventeen physicians who received blanks sent in reports. One case of whooping-cough and three of typhoid fever. Malarial fevers have prevailed in all parts. Sanitary condition of county and public buildings good.

WILKES—Dr. J. W. White, Wilkesboro. Whooping-cough, eight cases of typhoid fever and an epidemic of hog cholera reported. Malaria is not known here. Sanitary condition of county and public buildings good.

WILSON—Dr. Albert Anderson, Wilson. Two cases of hemorrhagic malarial fever and hog cholera in some places reported. Malarial fevers have prevailed in all parts. Sanitary condition of county and public buildings good. The Instructions for Quarantine and Disinfection are strictly carried out.

YADKIN—Dr. T. R. Harding, Yadkinville. Typhoid fever of mild type has prevailed in some sections. No reports received from other physicians. The jail is in good sanitary condition. The Home is in as good condition as could be expected in this country.

YANCEY—Dr. J. L. Ray, Burnsville. Four cases of typhoid fever. No other disease of importance. Sanitary condition of county moderately good. Home moderately well kept. "I did have a hope that the grand jury would have the jail cleaned up, but alas! It has come and gone, and the jail is as before, *filthy*."

Review of Diseases for November, 1893.

BRONCHITIS — From Beaufort, Duplin, Guilford, Iredell, Randolph and Rowan.

CATARRHAL TROUBLES—From Caldwell, Chatham, Durham, Haywood, New Hanover, Orange and Richmond.

CHOLERA, IN CHICKENS—From Granville and Rockingham.

CHOLERA, IN HOGS—From Brunswick, Clay, Columbus, Jackson, McDowell, Martin, Montgomery, Rowan, Sampson, Tyrrell, Wilkes and Wilson—12 counties.

"CONTINUED FEVER"—From Clay, Columbus and Pender.

CROUP, MEMBRANOUS—From Jackson and Randolph.

DIPHTHERIA—From Alleghany, Cabarrus, Caldwell, Granville, Mecklenburg, New Hanover, Pender, Richmond, Rockingham, Rowan and Wake—11 counties.

DYSENTERY—From Randolph.

INFLUENZA—From Ashe, Buncombe, Caldwell, Clay, Columbus, Forsyth, Gaston, Graham, Guilford, Iredell, McDowell, Madison, Mecklenburg, New Hanover, Rockingham, Rowan, Rutherford, Stanly, Union and Watauga—20 counties.

MALARIAL FEVER—From Anson, Beaufort, Brunswick, Carteret, Caswell, Chowan, Craven, Cumberland, Davie, Duplin, Durham, Edgecombe, Gates, Greene, Halifax, Iredell, Lenoir, New Hanover, Northampton, Onslow, Randolph, Rowan, Tyrrell, Wayne, Wilkes and Wilson—26 counties.

MALARIAL FEVER, HEMORRHAGIC—From Anson, Cumberland, Edgecombe, Halifax, Harnett, Hertford, Northampton, Rowan, Tyrrell and Wilson—10 counties.

MALARIAL FEVER, PERNICIOUS—From Brunswick, Dare, Edgecombe Iredell and New Hanover.

MALARIAL FEVER, TYPHO—From Caswell, Duplin, New Hanover, Pender and Rowan.

MEASLES—From Buncombe and Rockingham.

PNEUMONIA—From Burke, Chatham, Durham, Franklin, Gates, Iredell, Madison, Randolph, Richmond, Surry and Transylvania.—11 counties.

RHEUMATISM—From Lincoln and New Hanover.

SCABIES—From Gates.

SCARLATINA—From Alleghany, Cumberland, Edgecombe, Harnett, Martin, Mecklenburg, Onslow, Randolph, Richmond, Rowan, Transylvania and Wake—12 counties.

TYPHOID FEVER—From Alamance, Alleghany, Burke, Cabarrus, Caldwell, Catawba, Chatham, Clay, Dare, Forsyth, Franklin, Gaston, Gates, Granville, Harnett, Haywood, Henderson, Hertford, Iredell, Jackson, Lincoln, Macon, Martin, Mecklenburg, Mitchell, Moore, New Hanover, Northampton, Orange, Pender, Person, Pitt, Randolph, Richmond, Rockingham, Rowan, Stanly, Stokes, Surry, Tyrrell, Union, Vance, Wake, Wayne, Wilkes, Yadkin and Yancey—47 counties.

WHOOPING-COUGH—From Alleghany, Cabarrus, Caswell, Chowan, Gates, Granville, Iredell, Martin, Moore, Onslow, Orange, Pitt, Randolph, Robeson, Rockingham, Wake, Wayne and Wilkes—18 counties.

VARICELLA—From Durham.

Summary of Mortuary Reports for November, 1893.

(TWENTY-FOUR TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	72,000	52,254	124,254
Aggregate deaths	77	84	161
Representing annual death-rate per 1,000	12.8	19.1	15.5

Causes of death.			
Typhoid fever	4	4	8
Scarlet fever	1	0	1
Malarial fever	2	7	9
Whooping-cough	2	1	3
Pneumonia	9	5	14
Consumption	14	13	27
Brain diseases	3	1	4
Heart diseases	9	4	13
Neurotic diseases	2	0	2
Diarrhœal diseases	3	5	8
All other diseases	28	43	71
Suicide	0	1	1
	77	84	161
Deaths under 5 years	17	32	49
Still-born	6	5	11

Condition of Jails and County Homes by Counties for November, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	28 (*a*)	200–500 (*b*)	.....	.....	.....	500	.....	.....
Alexander	3	.....	.....	.....	9	.....	.....	.....
Ashe	2	1000	.....	.....	7	500	4	1
Alleghany	0	1000	.....	.....	5	*	1	1
Anson	9	.....	.....	.....	10	.....	.....	.....
Beaufort	7	.....	.....	.....	14	.....	.....	.....
Bertie	.....	.....	.....	.....	.....	.....	.....	.....
Bladen	0	.....	.....	.....	8	.....	.....	.....
Brunswick	5	1000	0	3	10	750	0	0
Buncombe	62 (*c*)	750–1000	12	40	26	500–1050	21	12
Burke	6	600	2	.....	10	550	3	.....
Cabarrus	32 (*d*)	760	3	6	23	*	4	12
Caldwell	5	*	0	5	5	*	0	2
Camden	.....	.....	.....	.....	.....	.....	.....	.....
Carteret	0	1000	.....	.....	0	.....	.....	.....
Caswell	6	.....	.....	.....	22	.....	.....	.....
Catawba	8	.....	5	.....	30	.....	10	.....
Chatham	4	800	2	2	28	*	10	11
Cherokee	3	.....	.....	.....	2	.....	.....	.....
Chowan	.....	.....	.....	.....	.....	.....	.....	.....
Clay	0	.....	.....	.....	0	.....	.....	.....
Cleveland	9	.....	.....	5	23	.....	.....	3
Columbus	7	*	.....	7	13	*	.....	0
Craven	18	700	5	7	16	*	14	3
Cumberland	10	.....	.....	.....	17	.....	.....	.....
Currituck	.....	.....	.....	.....	.....	.....	.....	.....
Dare	.....	.....	.....	.....	2	*	.....	0
Davidson	6	*	0	0	24	720	0	2
Davie	2	*	0	2	7	*	2	0
Duplin	1	*	0	0	12	1000	5	5
Durham	44 (*e*)	.....	.....	.....	16	.....	.....	.....
Edgecombe	8	*	3	2	25	*	2	2
Forsyth	38	900	20	10	30	*	8	4

(*a*) Includes 24 in House of Correction. (*b*) House of Correction. (*c*) Includes 42 in House of Correction. (*d*) Includes some in House of Correction. (*e*) Includes 30 in House of Correction. * Space exceeds 1,000 cubic feet.

Condition of Jails and County Homes by Counties.—Continued.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	5	1000	.....	2	23	500	.....	3
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	0	.....	.....	.....	8	*	0	0
Graham	2	450	2	2	.....	.....	.....	.....
Granville	2	*	0	0	46	800	.....	.....
Greene	1	500	.....	1	9	1000	.....	1
Guilford	40	272	.....	.....	40	1000	.....	.....
Halifax	7	1000	3	3	53	700	13	6
Harnett	1	.....	.....	.....	.....	.....	.....	.....
Haywood	5	.....	.....	.....	.....	.....	.....	.....
Henderson	7	.....	.....	.....	1	.....	.....	.....
Hertford	.....	.....	.....	.....	.....	.....	.....	.....
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	19	400	.....	.....	20	300	.....	.....
Jackson	0	.....	.....	.....	2	*	.....	0
Johnston	8	.....	.....	.....	12	.....	.....	.....
Jones	3	*	1	1	4	*	2	3
Lenoir	.....	.....	.....	.....	.....	.....	.....	.....
Lincoln	4	*	.....	.....	23	400	.....	.....
McDowell	8	.....	0	4	14	.....	0	1
Macon	1	*	1	1	6	*	2	3
Madison	7	.....	0	4	14	600	4	6
Martin	0	.....	.....	.....	17	1000	4	4
Mecklenburg	104 (*a*)	*	.....	.....	55	*	.....	.....
Mitchell	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	8	400	.....	.....	12	500	.....	.....
Moore	4	*	0	2	12	850	2	4
Nash	3	600	3	3	40	1000	7	8
New Hanover	16 (*b*)	* (*c*)	10	7	*	*	17	6
Northampton	4	1000	0	0	26	800	8	10
Onslow	.....	.....	.....	.....	4	*	1	1
Orange	10	500	1	9	16	*	7	8
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

* Space exceeds 1,000 cubic feet. (*a*) Includes 87 in House of Correction (*b*) Includes 11 in House of Correction. (*c*) Space in House of Correction reported 165 cubic feet.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank	.....	.....	.....	.....	.....	.....	.....	.....
Pender	2	.....	.....	.....	6	.....	.....	.....
Perquimans	.....	.....	.....	.....	.....	.....	.....	.....
Person	2	*	.....	1	15	750	.....	1
Pitt	20	600–1000	4	9	18	1000–1500	1	0
Polk	2	.....	.....	.....	5	.....	.....	.....
Randolph	22	.....	.....	.....	35	.....	.....	.....
Richmond	17	.....	1	7	14	.....	1	1
Robeson	15	461	.....	.....	9	800	.....	.....
Rockingham	7	343	1	.....	38	720	16	.....
Rowan	8	500	3	2	23	*	15	2
Rutherford	6	800	.....	.....	26	700	.....	.....
Sampson	4	.....	.....	.....	27	.....	.....	.....
Stanly	5	300–1000	0	4	11	600	5	3
Stokes	4	500	.....	.....	16	400	5	2
Surry	2	720	1	2	17	700	2	5
Swain	3	.....	.....	.....	5	.....	.....	.....
Transylvania	2	.....	.....	.....	2	.....	.....	.....
Tyrrell	0	.....	.....	.....	0	.....	.....	.....
Union	.....	.....	.....	.....	.....	.....	.....	.....
Vance	9	*	2	3	21	*	3	3
Wake	99 (*a*)	750	.....	.....	62	*	.....	.....
Warren	20	*	.....	2	4	*	.....	3
Washington	.....	.....	.....	.....	.....	.....	.....	.....
Watauga	4	.....	.....	.....	7	.....	.....	.....
Wayne	4	.....	.....	2	13	.....	4	4
Wilkes	4	.....	.....	.....	13	.....	.....	.....
Wilson	9	*	1	4	33	*	5	6
Yadkin	5	1000	0	2	27	.....	0	8
Yancey	4	576	0	1	3	*	.....	.....

* Space exceeds 1,000 cubic feet. (*a*) Includes 63 in House of Correction.

Mortuary Report for November, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrheal Diseases.	All Other Diseases.	Accident and Violence.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	8,000	12,000	15.0	13.0	...	...	...	...	...	...	2	...	...	2	1	1	4	...	...	10	13	2	...
Dr. H. L. Baird.	Colored.	4,000		9.0		...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	3		...	...
Charlotte	White.	9,000	14,000	13.5	16.3	1	...	...	...	1	...	1	3	...	4	...	1	...	...	...	11	19	2	1
Fred. Nash, Esq.	Colored.	5,000		19.2		1	...	...	...	...	...	1	...	...	2	...	...	4	...	...	8		3	...
Durham	White.	4,500	8,000	13.3	7.5	...	...	...	...	...	...	2	3	...	...	...	...	...	...	...	5	5	1	...
Dr. J. M. Manning.	Colored.	3,500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Fayetteville	White.	2,800	5,000	4.3	19.2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	8	...	...
Dr. J. H. Marsh.	Colored.	2,200		38.2		...	...	1	...	...	...	1	...	...	...	...	...	4	...	1	7		3	...
Goldsboro	White.	3,000	5,000	0.0	4.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
T. H. Bain, Esq.	Colored.	2,000		12.0		...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		...	1
Henderson	White.	2,050	4,050	0.0	3.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. W. T. Cheatham.	Colored.	2,000		6.0		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Hillsboro	White.	600	1,000	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. D. C. Parris.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Marion	White	650	800	36.9	30.0	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	2	2	...	...
Dr. B. A. Cheek.	Colored.	150		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Monroe	White.	1,500	2,000	8.0	18.0	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	3	...	...
Dr. J. M. Blair.	Colored.	500		48.0		...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	2		...	...
Oxford	White.	1,700	3,300	7.0	10.9	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	3	1	...
Dr. Patrick Booth.	Colored.	1,600		15.0		...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		1	...
Raleigh	White.	8,000	15,000	22.5	21.6	...	...	...	...	1	...	2	3	1	...	...	...	8	...	...	15	27	3	...
Dr. James McKee.	Colored.	7,000		20.6		...	...	...	...	1	...	...	1	...	...	...	1	9	...	...	12		8	...
Rockingham	White.	1,400	1,750	25.7	20.6	...	1	...	...	...	...	...	...	...	1	...	...	1	...	...	3	3	1	1
Dr. J. M. Stansill.	Colored.	350		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Rocky Mount	White.	1,200	1,600	0.0	7.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. G. L. Wimberley.	Colored.	400		30.0		...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1		...	...
Salem	White.	3,942	4,284	21.3	19.6	...	...	...	...	...	...	1	1	1	1	...	...	3	...	...	7	7	1	...
Mayor T. B. Douthit.	Colored.	342		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salisbury	White.	3,500	5,000	10.3	19.2	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	3	8	...	...
Dr. J. J. Summerell.	Colored.	1,500		40.0		1	...	...	...	...	...	...	3	...	...	...	...	1	...	...	5		...	...
Scotland Neck	White.	700	1,100	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Mayor J. A. Perry.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	2
Statesville	White.	2,500	3,500	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. W. J. Hill	Colored.	1,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Southport	White.	750	1,200	0.0	10.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Mr. E. H. Cranmer, Jr.	Colored.	450		26.7		...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1		1	...
Tarboro	White.	1,258	2,370	9.5	30.4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	6	...	1
Dr. Donald Williams.	Colored.	1,112		53.9		...	...	2	...	...	...	1	1	...	...	...	...	1	...	...	5		2	...
Warrenton	White.	750	1,300	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. P. J. Macon.	Colored.	550		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Washington	White.	2,500	5,000	14.4	12.0	1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	3	5	...	...
Dr. D. T. Tayloe	Colored.	2,500		9.6		...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	2		...	...
Weldon	White.	700	1,500	0.0	24.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	3	...	...
Mayor J. T. Gooch.	Colored.	800		45.0		...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	3		1	...
Wilmington	White.	9,000	22,000	14.7	22.2	1	...	1	...	...	...	...	1	...	1	...	1	6	...	...	11	39	5	2
Dr. R. D. Jewett.	Colored.	13,000		25.8		2	...	4	...	...	...	...	6	1	...	...	3	12	...	...	28		13	2
Wilson	White.	2,000	3,500	18.0	17.3	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	3	5	1	1
Dr. Albert Anderson.	Colored.	1,500		16.0		...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2		...	...

Meteorological Summary for North Carolina, November, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).										No. of Days.					
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.	Mean Rel. Humidity.	Total Precipitation.	Clear.	Partly Cloudy.	Cloudy.	Rainy.	Prevailing Wind.
Asheville	45.4	72	4	57.7	13	25	33.1	59	24.6	.....	3.89	18	4	8	8	N.
Bakersville	42.6	73	4	57.0	9	25	28.3	64	28.7	.....	3.30	19	3	8	5	.....
Blowing Rock	41.3	67	5	53.0	9	25	29.6	58	23.4	.....	2.21	.....	.....	.....	.....	.....
Charlotte	48.8	74	3	57.7	21	25	40.0	53	17.7	.....	2.44	14	7	9	8	S. W.
Chapel Hill	48.2	79	3	58.9	17	24	37.6	62	21.3	.....	1.54	15	6	9	5	E.
Highlands	40.8	65	3	59.6	8	25	30.9	57	19.7	.....	3.70	16	10	4	6	N. W.
Littleton	46.8	74	3	56.4	19	24	37.2	55	19.2	.....	3.68	7	7	16	7	N. E.
Lenoir	44.0	69	4	53.3	15	25	36.1	54	17.2	.....	2.20	16	8	6	4	W.
Louisburg	48.0	71	4	55.2	21	25	37.6	50	17.6	.....	1.52	17	2	11	8	N. W.
Mt. Airy	44.1	73	3	55.9	13	26	32.3	60	23.6	.....	2.00	.....	.....	.....	4	.....
Mt. Pleasant	48.3	74	3	58.9	18	25	37.7	56	20.2	.....	2.19	12	7	11	8	S. W.
Marion	45.7	73	3	59.2	15	25	32.2	58	27.0	.....	5.22	20	2	8	5	.....
Newbern	51.3	74	3	59.7	24	25	42.9	50	16.8	.....	3.50	.....	.....	.....	8	.....
Oak Ridge	45.8	73	4	55.9	16	26	35.6	57	20.3	.....	1.66	16	6	8	7	N. W.
Pittsboro	45.8	72	4	54.8	18	25	36.9	56	17.9	.....	1.32	11	10	9	7	N. E.
Raleigh	48.8	74	3	57.6	20	25	39.9	54	17.7	.....	1.97	12	6	12	11	N.
Rockingham	48.2	73	3	58.7	20	25	37.6	53	21.1	.....	1.84	16	7	7	6	.....
Roxboro	46.8	75	4	57.3	18	25	36.4	57	20.7	.....	1.47	15	8	7	3	.....
Soapstone Mount	47.1	75	3	59.2	15	25	35.0	60	24.2	.....	2.02	7	15	8	7	.....
Saxon	44.6	76	4	56.3	12	24	32.9	64	23.4	.....	1.76	18	3	9	3	N. E.
Southern Pines	50.3	75	3	59.7	19	25	40.9	56	18.8	.....	1.40	16	7	7	4	N. E.
Salisbury	48.6	69	4	56.4	20	25	40.7	49	15.7	.....	2.37	.....	.....	.....	7	.....
Tarboro	50.4	78	4	61.9	20	25	38.9	58	23.0	.....	3.88	13	5	12	7	N.
Willeyton	49.0	75	4	58.8	21	25	39.1	54	19.7	.....	4.74	6	11	13	10	N.
Weldon	48.5	76	4	56.4	20	25	38.6	56	19.8	.....	3.64	12	9	9	9	N.
Wilmington	55.1	76	3	63.1	26	25	47.1	50	16.0	.....	1.71	12	8	10	13	N. E.

STATE METEOROLOGICAL SUMMARY FOR NOVEMBER, 1893.

Mean Barometer, 30.15 inches; normal for November, 30.13. Highest Barometer, 30.75 on the 26th, at Lynchburg, Va. Lowest Barometer, 29.56 on the 8th, at Hatteras.

Mean temperature, 48.3 degrees; normal for November, 49.7. Highest temperature, 79 on the 3d, at Chapel Hill. Lowest temperature, 8 on the 25th, at Highlands.

Average rain-fall, 2.64 inches; normal for November, 3.40 inches. Greatest monthly rain-fall, 8.32 inches at Hatteras. Least monthly rain-fall 1.11 inches at Mocksville.

Average number of clear days, 13; partly cloudy, 7; cloudy, 10; rainy, 7.

Prevailing wind direction, north-east; average velocity, 9.2 miles per hour. Normal direction for November, north-east. Normal velocity, 7.5 miles per hour.

BULLETIN

OF THE

NORTH CAROLINA BOARD OF HEALTH.

Published Monthly at the Office of the Secretary of the Board, at Raleigh, N. C.

SUBSCRIPTION, 25 CENTS A YEAR.

H. T. Bahnson, M. D., *Pres*...Salem.
S. Westray Battle, M. D.....Asheville.
W. H. Harrell, M. D.....Williamston.
Geo. Gillett Thomas, M. D...Wilmington.
W. H. G. Lucas, M. D.....White Hall.
John Whitehead, M. D. .....Salisbury.
Prof. F. P. Venable.....Chapel Hill.
J. C. Chase, Civ. Eng.....Wilmington.
Richard H. Lewis, M. D., *Secretary and Treasurer*, Raleigh.

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Vaccination.

In a recent letter from one of the largest practitioners in the State, living in a town of over 5,000 inhabitants, situated on one of the main lines of travel, this startling sentence occurs: "In making inquiries, I find that there are scarcely a dozen children in the whole town who have ever been vaccinated." While we were painfully aware of the fact that the number of the unvaccinated was alarming, we had no idea the state of affairs was so bad as shown by the above. This is an extremely serious matter, as all must admit, and it is becoming more and more serious every day. In our last issue we called attention to the rapid spread of small-pox over the United States and sounded a note of warning. Since that time the disease has made its appearance in our own State—in Cherokee; but thanks to the prompt and vigorous action of the County Superintendent of Health looking to the quarantining of the patient he did not abide with us long. Rather than be quarantined he left the State, thereby demonstrating in a very practical and satisfactory manner the value to the community of an organized health department with an alert health officer. Most fortunately also he came in contact with none except those who were protected by a previous attack of the disease, and we have good reason therefore to hope that he will not leave a trail behind him. There is no reason why a similar case should not crop out at any other point in the State, particularly on the main lines of travel, which are now more than commonly infested with tramps. It is most unlikely to happen again that every one exposed is protected, and if not there is no telling, in view of the great number of unvaccinated persons to be found everywhere in the State, what a terrible scourge might then and there be originated. The danger is a real one, but how to get the people to realize it and to avail themselves of the protection so easily obtainable is the question, and a most difficult question it is to answer. Most persons not acquainted with the temper of our people would say at once make vaccination compulsory. That sounds well, but it would be *vox et preterea nihil*. In the

first place, in the opinion of the writer, our Legislature could not be induced to enact such a law; and if it could the law would, unsupported by public sentiment, be a dead letter. As to what public sentiment on this subject is the following will illustrate: At the conjoint session of the State Board of Health with the State Medical Society in Wilmington in 1892 one of our County Superintendents reported that going to a public school-house to vaccinate the children, according to a previous appointment, he found the house shut up and the entire school, teacher and all, taken to the woods. Again, more recently, an outbreak of the small-pox occurred in an adjoining State about fifty or sixty miles from one of our progressive towns. The Town Commissioners discussed the advisability of passing an ordinance making vaccination compulsory, whereupon some of the best citizens promptly gave notice that they would sell out and leave the town before they would submit to it. Comment is unnecessary.

We would like to discuss this grave matter at length, but our want of space forbids. Suffice it to say that after a very careful consideration of the subject we have come to the conclusion that nothing can practically be accomplished in the way of vaccinating the people except under the influence of the scare resulting from the presence in the community or in very close proximity thereto of a case of small-pox. It is therefore earnestly hoped that whenever such a state of affairs does happen to occur the health officers and physicians generally will grasp the situation and "work it for all it's worth."

In conclusion, we wish to call particular attention to section 11 of the law, which requires the attending physician to immediately give notice to the local authorities of the occurrence of a case of small-pox, and the latter to immediately communicate the same by mail or telegraph to the Secretary of the State Board of Health. The location of the case, the origin of the disease and the measures taken to prevent its spread should always be given in this communication.

P. S.—After the above was sent to the printer a report was received from the Superintendent of Anson county of the existence in Wadesboro of a case of varioloid in the person of a horse-drover from Virginia, near Bristol. He at the same time reported that the precautions required by law had been promptly taken.

Summary of Reports from County Superintendents for December, 1893.

EIGHTY-SIX COUNTIES REPORTING.

ALAMANCE—Dr. G. W. Long, Graham. Influenza has prevailed. There is a movement on foot looking to a better jail. A committee is at work.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Very little sickness. Influenza has prevailed in some parts. There has been some chicken cholera. The public buildings are as usual.

ALLEGHANY—Dr. C. G. Fowlkes, Topia. Ten cases of diphtheria. A few cases of hog cholera. County in good sanitary condition. The Home has been improved and the inmates are made comfortable. The jail has not been improved and is in bad condition, especially for cold weather, though no prisoners are now confined there.

ANSON—Dr. E. S. Ashe, Wadesboro. No report.

ASHE—Dr. L. C. Gentry, Jefferson. No reports from other physicians. Some influenza in mild form. Hog cholera in central part of county. Condition of public buildings good. The Home is being improved.

BEAUFORT—Dr. D. T. Tayloe, Washington. No epidemic. Health of town and county never better. Sanitary condition of public buildings very good.

BERTIE—No Board of Health.

BLADEN—Dr. Newton Robinson, Elizabethtown. Reports from two other physicians. Influenza of mild form epidemic. Sanitary condition of public buildings fair.

BRUNSWICK—Dr. D. I. Watson, Southport. No report from other physicians. Influenza and malarial fever in nearly all parts. Sanitary condition of county good. Home in fair condition only, with prospects of improvement in the near future. Jail in good condition.

BUNCOMBE—Dr. H. L. Baird, Asheville. Most of the physicians do not report. Pneumonia and influenza have prevailed. Sanitary condition of county, Home and House of Correction good; that of the jail only fair. It seems impossible to keep prisoners clean. The water supply and sewerage is good.

BURKE—Dr. J. L. Laxton, Morganton. Reports from four physicians. Three cases of pneumonia. Very little sickness. Sanitary condition of county good; that of public buildings as last reported.

CABARRUS—Dr. Robt. S. Young, Concord. Two cases of diphtheria and eight of typhoid fever. Sanitary condition of county good.

CALDWELL—Dr. A. A. Kent, Lenoir. An epidemic of influenza began during last days of month. No other sickness.

CAMDEN—No Board of Health.

CARTERET—Dr. George N. Ennett, Beaufort. No diseases reported. Sanitary condition of county good; that of public buildings good also, with suggestions of improvement promised to be acted upon in the near future.

CASWELL—Dr. W. O. Spencer, Yanceyville. Very healthy. A few cases of whooping-cough. Influenza in a modified form. No report from other physicians. Sanitary condition of public buildings very good.

CATAWBA—Dr. J. M. McCorkle, Newton. No report from other physicians. Influenza has prevailed in all parts. Sanitary condition of county and public buildings good except that one or two rooms at the Home are too crowded.

CHATHAM—Dr. L. A. Hanks, Pittsboro. Four cases of typhoid fever. Influenza prevails extensively, and pneumonia in some degree. Sanitary condition of public buildings good. They are well heated and ventilated.

CHEROKEE—Dr. J. F. Abernathy, Murphy. Ten cases of diphtheria, with four deaths, and one of small-pox. This last was a refugee from Chattanooga, who left this State before he would be quarantined. No one was with him but those who had once had the disease. Influenza and pneumonia have prevailed.

CHOWAN—Dr. R. H. Winbourne, Barnitz. Whooping-cough still in Edenton, but decreasing. The usual number of cases of pneumonia for December have occurred. A few cases of chronic malarial fever left over from the autumn. Epidemics of hog cholera have prevailed in many sections and have been very destructive. Sanitary condition of public buildings good. The Commissioners are prompt to order all needed repairs and to provide reasonable comforts for the inmates of Home and jail.

CLAY—Dr. George T. Hine, Warne. Five cases of typhoid fever. La grippe and pneumonia in all parts, and have proved, with the typhoid, more fatal than usual.

CLEVELAND—Dr. O. P. Gardner, Shelby. A mild form of la grippe in all parts. General improvement in sanitary measures in the county noted. Sanitary condition of public buildings very good.

COLUMBUS—Dr. I. Jackson, Whiteville. No report from other physicians. A few cases of whooping-cough and one of typhoid fever. The prevailing disease has been of a catarrhal character. An epidemic of hog cholera in some parts. Sanitary condition of county and public buildings good.

CRAVEN—Dr. Leinster Duffy, Newbern. Influenza and catarrhal troubles generally have prevailed throughout the county.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. La grippe, a few cases of pneumonia and malarial fever have occurred. Sanitary condition of public buildings tolerably good.

CURRITUCK—No Board of Health.

DARE—Dr. W. H. Peterson, Manteo. Two cases of pernicious malarial fever and one of typhoid. Some malarial fever. Some hog cholera. County healthy. Sanitary condition of public buildings good.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. Influenza and pneumonia have prevailed in all parts. Condition of public buildings good. Some new buildings at the Home, which will furnish excellent accommodation, nearly completed.

DAVIE—Dr. James McGuire, Mocksville. Influenza, pneumonia and mumps prevailing. North-eastern parts of county report sanitary condition "bad as the worst," other sections "good" and "tolerably good." Three physicians reported. The open condition of some of the rooms of the Home is such as should not exist at this season of the year, and there is also a lack of a proper regard for cleanliness.

DUPLIN—Dr. W. P. Kennedy, Warsaw. Three cases of whooping-cough and two of scarlatina. Influenza in all parts, sometimes followed by pneumonia. Otherwise little sickness. Hog cholera. Sanitary condition of public buildings good. Only one physician reported, though all were furnished with blanks.

DURHAM—Dr. John M. Manning, Durham. Seven cases of scarlatina and one of typhoid fever. Influenza and catarrhal fevers have prevailed. Sanitary condition of public buildings good. Very few physicians make reports, though the advisability of it has been brought before them.

EDGECOMBE—Dr. Donald Williams, Tarboro. Two cases of scarlatina, which have been quarantined and disinfected, and three of hemorrhagic malarial fever. Health of county very good. Public buildings in fair sanitary condition.

FORSYTH—Dr. D. N. Dalton, Winston. Influenza in mild form and a few cases of broncho-pneumonia among children. Sanitary condition of county and public buildings good.

FRANKLIN—Dr. E. S. Foster, Louisburg. Typhoid fever (ten cases) and pneumonia have prevailed in most parts. The unusual prevalence of typhoid I cannot account for. Sanitary condition of public buildings very good. Any improvement needed is reported to County Commissioners and attended to.

GASTON—Dr. J. H. Jenkins, Dallas. Influenza and pneumonia have prevailed in some parts. Sanitary condition of public buildings very good.

GATES—Dr. I. W. Costen, Gatesville. One case of typhoid fever. Influenza has prevailed to some extent. Little sickness.

GRAHAM—Dr. S. H. McNeely, Robbinsville. Influenza in epidemic form, followed by broncho-pneumonia in at least one case. Sanitary condition of county and public buildings good.

GRANVILLE—Dr. Patrick Booth, Oxford. Physicians still not reporting well. Influenza in mild form just commencing. Very little sickness. Sanitary condition of county fair; that of public buildings good except that the Home is still too crowded.

GREENE—Dr. E. H. Sugg, Snow Hill. An epidemic of influenza. Sanitary condition of county and public buildings good.

GUILFORD—Dr. Albert R. Wilson, Greensboro. One case of typhoid fever. Influenza epidemic in city and county. Epidemic of hydrophobia in dogs in city. Sanitary condition of county and public buildings good, except jail, which is bad. Greensboro has adopted sanitary ordinances and the mortuary reports hereafter should be accurate.

HALIFAX—Dr. I. E. Green, Weldon. Influenza has prevailed, with bronchial troubles in some parts.

HARNETT—Dr. R. B. Wilson. Bunn's Level. One case of typhoid fever and one of hemorrhagic malarial fever. Cholera among hogs. The sanitary condition of county and public buildings fair. The amount of bed clothing furnished the prisoners in jail is insufficient, and they complain that they do not have sufficient fuel.

HAYWOOD—Dr. J. Howell Way, Waynesville. Influenza of mild type, and as a rule with few complications, has prevailed in all parts.

HENDERSON—Dr. J. L. Egerton, Hendersonville. One case of typhoid fever. Influenza in many parts. Sanitary condition of public buildings very good.

HERTFORD—Dr. John W. Tayloe, Union. Seven cases of typhoid fever and two of hemorrhagic malarial fever. Some hog cholera. I have been unable to visit jail and Home on account of illness.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill, Statesville. Only four physicians reported. One case of typhoid fever. Influenza and pneumonia have prevailed. Sanitary condition of county as good as usual; that of public buildings very good.

JACKSON—Dr. W. F. Tompkins, Webster. No disease except severe colds and influenza, which is almost epidemic but mild in character. Sanitary condition of Home good. No prisoners in jail. Only one physician reported.

JOHNSTON—Dr. R. J. Noble, Smithfield. Influenza has prevailed in some parts.

JONES—Dr. R. A. Whitaker, Trenton. No report.

LENOIR—Dr. C. B. Woodley, Kinston. One case of measles and one of typhoid fever. Jail in pretty fair condition.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Six cases of whooping-cough. Influenza and colds in all parts. An epidemic of distemper in horses. The jail is empty. There has been no sickness in it since well water was abandoned. Home well kept and healthy.

MACON—Dr. S. H. Lyle, Franklin. One case of typhoid fever and a few of mumps. Influenza very prevalent and very fatal with old people—chiefly in catarrhal form. Sanitary condition of public buildings good.

MADISON—Dr. James K. Hardwicke, Marshall. Influenza in all parts—the gastro-intestinal form most prevalent. Sanitary condition of Home good; of jail bad.

MARTIN—Dr. W. H. Harrell, Williamston. Two cases of typhoid fever. Whooping-cough in some parts. A few cases of pneumonia and catarrhal affections of respiratory tract. Not much sickness. Sanitary condition of public buildings good.

MCDOWELL—Dr. B. A. Cheek, Marion. Influenza in some sections. A few cases of hog cholera. Sanitary condition of public buildings good. No report from other physicians.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Two cases of diphtheria. Influenza and pneumonia in all parts. Sanitary condition of public buildings good.

MITCHELL—Dr. W. P. Upton, Bakersville. Three cases of typhoid fever. Influenza in a malignant form. Seven cases of pneumonia, with four deaths. Sanitary condition of public buildings fairly good.

MONTGOMERY—Dr. W. A. Simmons, Troy. No diseases reported. Remarkably healthy. Hog cholera. Public buildings in good sanitary condition.

MOORE—Dr. Gilbert McLeod, Carthage. Four physicians out of eighteen reported. One case of typhoid fever. Whooping-cough in different sections. A few cases of influenza in mild form. Very little sickness. Public buildings in good sanitary condition. Some repairs needed at jail and Home, which the Commissioners have promised to attend to.

NASH—Dr. J. J. Mann, Nashville. Influenza in some sections. Sanitary condition of public buildings very good indeed.

NEW HANOVER—Dr. R. D. Jewett, Wilmington. Ten physicians report. Whooping-cough, 2; scarlatina, 1; typhoid fever, 4. Influenza and catarrhal troubles have prevailed in all parts. The low savannah lands, with wells that collect surface water, are a great source of paludal poisoning. The new building for the House of Correction has been completed and heating pipes put in.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. One case of whooping-cough and one of hemorrhagic malarial fever. Very little sickness of any kind. An epidemic of hog cholera in some sections. Sanitary condition of county and public buildings good.

ONSLOW—Dr. E. L. Cox, Jacksonville. Not very much sickness. A few cases of pneumonia and malarial fever. Public buildings in fair condition.

ORANGE—Dr. D. C. Parris, Hillsboro. Several cases of whooping-cough. Influenza in mild form the most prevalent disease. Rheumatism, catarrhal fever and tonsillitis have occurred.

PAMLICO—No Board of Health.

PASQUOTANK—No Board of Health.

PENDER—Dr. W. C. Murphy, Burgaw. Two cases of scarlatina. Influenza in many parts. Sanitary condition of county and public buildings good. Dr. George F. Lucas, of Currie, succeeds Dr. Murphy as Superintendent of Health.

PERQUIMANS—On January 1st Dr. John W. Speight, of Hertford, was elected Superintendent of Health by the County Commissioners.

PERSON—Dr. C. G. Nichols, Roxboro. County very healthy. Two cases of typhoid fever, in which the law has been carried out. Home in as good condition as could be expected. Jail is not perfect, but we will keep it before the Commissioners until it is all right.

PITT—Dr. W. H. Bagwell, Greenville. Whooping-cough in some parts. One case of diphtheria and three of typhoid fever. Pneumonia and bronchial troubles in mild form. Sanitary condition of county and public buildings good.

POLK—Dr. O. S. Missildine, Tryon. Mild influenza in some sections. No reports from other physicians. I have sent a full written recommendation as to cleaning the jail, now while empty, to the County Commissioners. They have given orders to have part of the work done.

RANDOLPH—Dr. J. Middleton Boyette, Asheboro. Five cases of whooping cough and three of typhoid fever. Sanitary condition of county and public buildings good. Some influenza. Dr. C. H. Lewis, of Farmer's, reports the delivery of a child weighing eighteen pounds, and says he thinks had it been intact it would have weighed twenty pounds, but having to deliver by piece-meal some of the weight was lost.

RICHMOND—Dr. J. M. Stansill, Rockingham. Four physicians reported. One case of diphtheria. A great many cases of influenza, mostly of a mild character. Seven cases of pneumonia. A mild epidemic of influenza in horses. Sanitary condition of public buildings good. The new buildings at the Home are about completed. Six new cottages have been erected, four with two rooms and porches, one with four rooms and the other with five. Three of the old houses have been remodeled. One building has been arranged for lunatics so that it can be heated—something I have advocated for years.

ROBESON—Dr. R. F. Lewis, Lumberton. Very healthy. Some whooping-cough. Influenza. Hog cholera. Sanitary condition of county and public buildings very good. The new Home into which the inmates have just moved is admirably arranged, neat and comfortable.

ROCKINGHAM—Dr. D. W. Courts, Reids-

ville. No reports from other physicians. Two cases of measles and three of whooping-cough. Influenza in town and neighborhood. Sanitary condition of county and public buildings good.

ROWAN—Dr. John Whitehead has been elected Superintendant of Health to fill the vacancy caused by the death of Dr. Summerell.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. Influenza in all parts. The sanitary condition of the county is as good as in most counties, but not what it should be. Our people need education on this line. The jail and Home are kept clean.

SAMPSON—Dr. John A. Stevens, Clinton. No report from other physicians. Pneumonia, bronchitis, pleurisy, some bowel troubles and epidemic influenza. Sanitary condition of public buildings good.

STANLY—Dr. J. W. Littleton, Albemarle. Influenza in some parts. Health of county exceptionally good. Sanitary condition of public buildings good.

STOKES—Dr. J. W. Neal, Meadows. No report.

SURRY—Dr. J. B. Hollingsworth, Mt. Airy. Influenza and tonsillitis in different parts. Sanitary condition of county and jail good. Home much improved; also its comforts.

SWAIN—Dr. R. L. Davis, Bryson City. Influenza in all parts, sometimes followed by pneumonia. Sanitary condition of county fairly good; that of public buildings as good as it can be made, considering their construction.

TRANSYLVANIA—Dr. A. E. Lyday, Calhoun. Healthy. A few cases of pneumonia and catarrhal fevers. Sanitary condition of county and public buildings good.

TYRRELL—Dr. Ab. Alexander, Columbia. Very little sickness. Sanitary condition of county good; public buildings bad.

UNION—Dr. J. E. Ashcraft, Monroe. Six cases of typhoid fever. Influenza and pneumonia in all parts. Sanitary condition of county and public buildings good.

VANCE—Dr. W. T. Cheatham, Henderson. No diseases reported. Sanitary condition of public buildings excellent.

WAKE—Dr. James McKee, Raleigh. Influenza epidemic, but of exceedingly mild type. Sanitary condition of public buildings good.

WARREN—Dr. P. J. Macon, Warrenton. Pneumonia, bronchitis and influenza in all parts. A case of probable varioloid was reported and was properly quarantined, but it fortunately turned out to be an error in diagnosis. The inmates of the Home are not as well clad as they should be. A committee has been appointed by the Commissioners to investigate and to rectify. One cell in jail was infested with vermin (*pediculi vestimenti*), but I think they have been exterminated.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Council, Boone. Influenza of mild form in all parts. No deaths. Very little sickness. Sanitary condition of county and public buildings good in every way.

WAYNE—Dr. W. J. Jones, Jr., Goldsboro. Influenza and catarrhal troubles in all parts. Slight epidemic of cholera in hogs. Sanitary condition of county and public buildings good.

WILKES—Dr. J. W. White, Wilkesboro. Only one physician reported. Two cases of whooping cough. Influenza in some parts. Sanitary condition of county and public buildings very good.

WILSON—Dr. Albert Anderson, Weldon. Influenza and lung troubles in all parts. There are some unsanitary conditions found in country homes among the very poor, due to overcrowding. The condition of the jail is not so good now, owing to the same cause. The Home is in good condition, except two rooms. Efforts are being made at improvement where needed.

YADKIN—Dr. T. R. Harding, Yadkin-

ville. Influenza in all parts. Sanitary condition of county and public buildings. good. No reports from other physicians.

YANCEY—Dr. J. L. Ray, Burnsville. One case of typhoid fever. Influenza, not very severe, in some parts. Sanitary condition of county moderately good. The jail is in a little better condition than usual. The Home is in only tolerably fair condition.

[In justice to the county authorities it is proper to say that a communication has just been received by the Secretary from the Chairman of the Board of County Commissioners taking issue with the Superintendent of Health as to the "filthy" condition of the jail reported by him in the December BULLETIN. The writer, among other things, says: "Our jail is kept clean." We have no personal knowledge of the facts, and cannot of course express any opinion, but as the Superintendent notes above some improvement in the past month, we trust that the conditions may soon be such as to admit of no difference of opinion.]

Review of Diseases for December, 1893.

BRONCHITIS—From Halifax, Pitt, Sampson and Warren.

BRONCHO-PNEUMONIA—From Forsyth and Graham.

CATARRHAL DISEASES—From Columbus, Craven, Durham, Martin, New Hanover, Orange, Transylvania and Wayne.

CHOLERA, IN CHICKENS—From Alexander.

CHOLERA, IN HOGS—From Alleghany, Ashe, Chowan, Columbus, Dare, Duplin, Harnett, Hertford, McDowell, Montgomery, Northampton, Robeson and Wayne—13 counties.

DIPHTHERIA—From Alleghany, Cabarrus, Cherokee, Mecklenburg, Pitt and Richmond.

DISTEMPER, IN HORSES—From Lincoln.

INFLUENZA, EPIDEMIC—From Alamance, Alexander, Ashe, Bladen, Brunswick, Buncombe, Caldwell, Caswell, Catawba, Chatham, Cherokee, Clay, Cleveland, Columbus, Craven, Cumberland, Davidson, Davie, Duplin, Durham, Forsyth, Gaston, Gates, Graham, Granville, Greene, Guilford, Halifax, Haywood, Henderson, Hertford, Iredell, Jackson, Johnston, Lincoln, Macon, Madison, McDowell, Mecklenburg, Mitchell, Moore, Nash, New Hanover, Orange, Pender, Polk, Randolph, Richmond, Robeson, Rockingham, Rutherford, Sampson, Stanly, Surry, Swain, Union, Wake, Warren, Watauga, Wayne, Wilkes, Wilson, Yadkin and Yancey—64 counties.

INFLUENZA, IN HORSES—From Richmond.

MALARIAL FEVER—From Brunswick, Chowan, Cumberland and Onslow.

MALARIAL FEVER, HEMORRHAGIC—From Edgecombe, Harnett, Hertford and Northampton.

MALARIAL FEVER, PERNICIOUS—From Dare.

MEASLES—From Lenoir and Rockingham.

MUMPS—From Davie and Macon.

PLEURISY—From Sampson.

PNEUMONIA—From Buncombe, Burke, Chatham, Cherokee Chowan, Clay, Cumberland, Davidson, Davie, Franklin, Gaston, Iredell, Martin, Mecklenburg, Mitchell, Onslow, Pitt, Richmond, Sampson, Swain, Transylvania, Union and Warren—23 counties.

RHEUMATISM—From Orange.

SCARLATINA—From Duplin, Edgecombe, New Hanover and Pender.

SMALL POX*—From Cherokee.

TONSILLITIS—From Orange and Surry.

TYPHOID FEVER—From Cabarrus, Chatham, Clay, Columbus, Dare, Durham, Franklin, Gates, Guilford, Harnett, Henderson, Hertford, Iredell, Lenoir, Macon, Martin, Mitchell, Moore, New Hanover, Person, Pitt, Randolph, Union and Yancey—24 counties.

WHOOPING-COUGH—From Caswell, Chowan, Columbus, Duplin, Lincoln, Martin, Moore, New Hanover, Northampton, Orange, Pitt, Randolph, Robeson, Rockingham and Wilkes—15 counties.

*See Report.

Summary of Mortuary Reports for December, 1893.

(TWENTY-FOUR TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	70,950	50,554	121,504
Aggregate deaths	63	77	140
Representing annual death-rate per 1,000	10.6	18.3	13.8

Causes of death.

Typhoid fever	4	2	6
Malarial fever	2	1	3
Diphtheria	1	0	1
Pneumonia	12	6	18
Consumption	6	16	22
Brain diseases	4	5	9
Heart diseases	6	3	9
Neurotic diseases	3	0	3
Diarrhœal diseases	3	5	8
All other diseases	20	35	55
Accident	1	4	5
Suicide	1	0	1
	63	77	140
Deaths under 5 years	5	24	29
Still-born	3	10	13

Condition of Jails and County Homes by Counties for December, 1893.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	24 (*a*)	.....	.....	.....	35	.....	.....	.....
Alexander	4	.....	.....	.....	9	.....	.....	.....
Ashe	3	*	1	2	7	500	2	2
Alleghany	0	.....	.....	.....	4	*	0	0
Anson	.....	.....	.....	.....	.....	.....	.....	.....
Beaufort	7	*	.....	.....	15	700	.....	.....
Bertie	.....	.....	.....	.....	.....	.....	.....	.....
Bladen	2	.....	.....	.....	8	.....	.....	.....
Brunswick	3	*	0	3	10	750	0	0
Buncombe	66 (*b*)	700–1000†	17	46	27	450–1750	18	11
Burke	4	700	2	3	10	500	.....	.....
Cabarrus	30 (*c*)	901	3	3	22	*	6	8
Caldwell	4	*	0	4	7	*	0	3
Camden	.....	.....	.....	.....	.....	.....	.....	.....
Carteret	1	1000	0	.....	0	.....	.....	.....
Caswell	4	.....	.....	.....	22	.....	.....	.....
Catawba	7	.....	1	4	32	.....	13	8
Chatham	2	1000	1	1	27	*	10	10
Cherokee	.....	.....	.....	.....	.....	.....	.....	.....
Chowan	5	.....	.....	0	8	.....	.....	0
Clay	1	.....	.....	.....	0	.....	.....	.....
Cleveland	12	.....	.....	6	22	997	.....	3
Columbus	5	*	.....	4	13	*	.....	0
Craven	15	750	6	5	18	*	14	3
Cumberland	12	.....	.....	.....	18	.....	.....	.....
Currituck	.....	.....	.....	.....	.....	.....	.....	.....
Dare	.....	.....	.....	.....	.....	.....	.....	.....
Davidson	11	*	0	3	24	721	0	2
Davie	2	*	0	1	7	*	2	0
Duplin	1	*	0	0	12	1000	5	5
Durham	47 (*d*)	400‡	.....	12	18	1000	.....	14
Edgecombe	12	*	2	2	25	*	3	4
Forsyth	10	1000	8	3	29	*	12	4

* Space exceeds 1,000 cubic feet. † In House of Correction space is 175-1,000 cubic feet. ‡ In House of Correction space is 500 cubic feet. (*a*) Includes 21 in House of Correction. (*b*) Includes 40 in House of Correction. (*c*) Includes 18 in House of Correction. (*d*) Includes 22 in House of Correction.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	11	1000	.....	2	22	500	.....	1
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	0	.....	.....	.....	9	*	0	0
Graham	2	450	2	2	0	.....	.....	.....
Granville	5	*	.....	.....	40	†	.....	.....
Greene	1	500	.....	1	9	1000	.....	1
Guilford	15	725	.....	.....	31	*	.....	.....
Halifax	6	1000	5	4	53	700	13	8
Harnett	2	.....	.....	2	.....	.....	.....	.....
Haywood	6	.....	0	3	.....	.....	.....	.....
Henderson	8	.....	.....	.....	1	.....	.....	.....
Hertford	.....	.....	.....	.....	.....	.....	.....	.....
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	2	*	.....	.....	20	.....	.....	4
Jackson	0	.....	.....	.....	2	*	0	0
Johnston	10	1000	.....	.....	13	*	.....	.....
Jones	.....	.....	.....	.....	.....	.....	.....	.....
Lenoir	1	*	.....	.....	.....	.....	.....	.....
Lincoln	0	.....	.....	.....	23	400	.....	5
McDowell	7	.....	0	2	17	.....	0	1
Macon	1	*	1	1	6	1000	4	3
Madison	14	250	0	6	14	600	4	4
Martin	3	*	.....	2	17	1000	4	5
Mecklenburg	111 (*a*)	* (*b*)	0	.....	57	*	0	.....
Mitchell	2	.....	.....	.....	7	.....	.....	.....
Montgomery	7	860	.....	.....	12	600	.....	.....
Moore	6	*	0	2	12	900	2	3
Nash	2	600	.....	.....	38	1000	.....	.....
New Hanover	8 (*c*)	500 (*c*)	.....	.....	23	*	15	5
Northampton	7	1000	.....	2	25	800	.....	8
Onslow	.....	.....	.....	.....	4	*	1	1
Orange	8	500	1	6	18	1000	7	10
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

* Space exceeds 1,000 cubic feet. †Too crowded. (*a*) Includes 89 in House of Correction (*b*) In House of Correction space is about 700 cubic feet. (*c*) These figures refer to House of Correction. No report for jail.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank								
Pender	2				7			
Perquimans								
Person	3	*		2	16	1000	10	2
Pitt	18	300-700	3	7	18	*	1	6
Polk	1	*			5			
Randolph	4				35			
Richmond	10	965	1	4	14	*	2	1
Robeson	15	447			12	*		
Rockingham	14	343	3		41	700	23	
Rowan								
Rutherford	4	800			26	800		
Sampson	7				27			
Stanly	3	300-1000	0	2	11	600	5	3
Stokes								
Surry	4	720	1	1	18	700	0	5
Swain	3				5			
Transylvania	2				2			
Tyrrell		*						
Union								
Vance	12	779	3		19	*	2	
Wake	92 (*a*)				55			
Warren	10	*		3	17	*		2
Washington								
Watauga	1				7			
Wayne	8			3	14			2
Wilkes	6				13			
Wilson	13	*	3	3	29	*	3	4
Yadkin	7	600	0	3	30		0	9
Yancey	1	*	0	1	3			

* Space exceeds 1,000 cubic feet. (*a*) Includes 65 in House of Correction.

Mortuary Report for December, 1893.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident and Violence.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	8,000	12,000	16.5	20.0	...	...	...	...	...	...	4	*3	...	1	1	...	2	...	...	11	20	...	...
Dr. H. L. Baird.	Colored.	4,000		27.0		...	...	...	...	...	...	1	...	...	...	...	...	8	...	...	9		7	4
Charlotte	White.	9,000	14,000	10.7	16.3	2	...	...	1	...	...	1	...	1	...	...	...	3	...	...	8	19	2	1
Fred. Nash, Esq.	Colored.	5,000		26.4		1	...	...	...	...	...	2	3	1	...	...	...	3	1	...	11		2	2
Durham	White.	4,500	8,000	5.3	3.0	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	2	...	...
Dr. J. M. Manning.	Colored.	3,500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Fayetteville	White.	2,800	5,000	21.4	24.0	...	...	...	...	...	...	...	...	...	...	...	1	4	...	...	5	10	...	...
Dr. J. H. Marsh.	Colored.	2,200		27.3		...	...	...	...	...	...	...	2	...	...	...	...	3	...	...	5		...	1
Goldsboro	White.	3,000	5,000	4.0	7.2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	3	...	...
T. H. Bain, Esq.	Colored.	2,000		12.0		...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2		...	...
Henderson	White.	2,200	4,200	0.0	11.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	4	...	...
Dr. W. T. Cheatham.	Colored.	2,000		24.0		...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	4		...	...
Hillsboro	White.	600	1,000	0.0	12.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. D. C. Parris.	Colored.	400		30.0		...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1		...	...
Lexington	White.	1,800	2,100	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Marion	White.	650	800	18.5	15.0	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	...	1
Dr. B. A. Cheek.	Colored.	150		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Monroe	White.	1,500	2,000	0.0	12.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	1
Dr. J. M. Blair.	Colored.	500		48.0		...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2		...	...
Oxford	White.	1,700	3,300	0.0	7.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
Dr. Patrick Booth.	Colored.	1,600		15.0		1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2		...	...
Raleigh	White.	8,000	15,000	9.0	12.0	1	...	...	...	...	...	...	...	...	1	...	...	3	...	1	6	15	...	...
Dr. James McKee.	Colored.	7,000		15.2		...	...	...	...	...	...	...	2	...	...	...	...	5	2	...	9		3	1
Rockingham	White.	1,400	1,750	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. J. M. Stansill.	Colored.	350		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Rocky Mount	White.	1,200	1,600	30.0	22.5	1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	3	3	...	...
Dr. G. L. Wimberley.	Colored.	400		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salem	White.	3,942	4,284	6.1	5.8	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	2	1	...
Mayor T. B. Douthit.	Colored.	342		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Scotland Neck	White.	700	1,100	34.3	43.6	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	2	4	...	...
Mayor J. A. Perry.	Colored.	400		60.0		...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	2		...	...
Southport	White.	750	1,200	0.0	20.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
Mr. E. H. Cranmer, Jr.	Colored.	450		54.4		...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2		1	...
Statesville	White.	2,500	3,500	9.6	6.8	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	2	2	...	...
Dr. W. J. Hill	Colored.	1,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Tarboro	White.	1,258	2,370	19.1	20.2	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	2	4	1	...
Dr. Donald Williams.	Colored.	1,112		21.6		...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2		2	...
Warrenton	White.	750	1,300	0.0	9.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. P. J. Macon.	Colored.	550		21.8		...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1		1	...
Washington	White.	3,000	5,000	16.0	16.8	...	...	...	...	...	...	1	...	...	1	1	...	1	...	...	4	7	...	...
Dr. D. T. Tayloe.	Colored.	2,000		18.0		...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	3		2	...
Weldon	White.	700	1,500	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Mayor J. T. Gooch.	Colored.	800		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Wilmington	White.	9,000	22,000	14.7	16.8	...	...	...	...	...	...	3	1	2	1	...	...	4	...	...	11	31	...	...
Dr. R. D. Jewett.	Colored.	13,000		18.5		...	...	...	...	...	...	...	3	4	2	...	2	9	...	...	20		6	2
Wilson	White.	2,000	3,500	18.0	17.1	...	...	1	...	...	...	...	...	...	...	1	...	...	1	...	3	5	1	...
Dr. Albert Anderson.	Colored.	1,500		16.0		...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	2		...	...

* Two of these were visitors from other States.

Meteorological Summary for North Carolina, December, 1893.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).											No. of Days.				
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.	Mean Rel. Humidity.	Total Precipitation.	Clear.	Partly Cloudy.	Cloudy.	Rainy.	Prevailing Wind.
Asheville	39.9	66	24	52.5	13	5	27.3	53	25.2	.....	1.19	20	6	5	6	N.
Bakersville	38.3	70	25	54.1	10	5	22.5	60	31.6	.....	1.95	18	6	7	4	.....
Blowing Rock	37.2	60	3	46.5	12	18	27.9	48	18.6	.....	1.86	.....	.....	.....	3	.....
Charlotte	45.4	68	3	54.7	25	18	36.2	43	18.5	.....	1.62	16	8	7	10	S. W.
Chapel Hill	43.4	72	3	55.4	19	5	31.3	53	24.1	.....	3.48	17	6	8	9	S. W.
Horse Cove	41.6	62	28	49.8	13	18	33.3	49	16.5	.....	3.47	17	6	8	9	S. W.
Littleton	42.8	74	3	53.6	20	5	32.1	54	21.5	.....	3.62	12	5	14	9	S. W.
Lenoir	39.9	62	25	49.6	19	21	32.0	43	17.6	.....	1.20	18	4	9	3	W.
Louisburg	42.7	70	3	51.5	19	6	30.7	51	20.8	.....	3.80	11	10	10	8	N. W.
Mt. Airy	39.6	68	25	52.3	16	27	27.0	52	25.3	.....	1.44	.....	.....	.....	5	.....
Mt. Pleasant	45.2	70	25	57.0	19	21	33.5	51	23.5	.....	1.90	8	13	10	7	S. W.
Marion	39.8	71	25	53.2	17	18	26.5	54	26.7	.....	1.74	19	1	11	3	.....
Newbern	46.4	70	11	57.4	24	14	35.3	46	22.1	.....	4.53	.....	.....	.....	8	.....
Oak Ridge	41.7	65	24	51.8	21	18	31.6	44	20.2	.....	1.60	16	5	10	7	S. W.
Pittsboro	41.4	67	3	51.0	17	6	31.9	50	19.1	.....	3.40	20	2	9	5	S. W.
Raleigh	44.6	74	3	54.1	21	6	35.2	53	18.9	.....	4.38	17	3	11	7	S. W.
Rockingham	44.3	73	3	54.4	20	21	34.2	53	20.2	.....	4.61	18	5	8	7	.....
Roxboro	43.4	67	3	53.4	18	6	33.5	49	19.9	.....	3.55	13	10	8	5	.....
Soapstone Mount	42.7	69	3	56.5	16	21	28.9	60	27.6	.....	2.74	13	11	7	4	S. W.
Saxon	41.0	68	25	53.3	14	20	28.6	54	24.7	.....	1.30	13	11	7	6	S. W.
Southern Pines	45.9	75	3	56.0	23	21	35.8	52	20.2	.....	5.84	19	4	8	7	S.
Salisbury	44.2	64	25	51.3	28	6	37.1	36	14.2	.....	1.96	.....	.....	.....	5	.....
Tarboro	46.1	76	3	59.3	19	21	33.0	57	26.3	.....	4.10	22	1	8	6	S. W.
Willeyton	45.0	74	3	56.9	20	21	33.0	54	23.9	.....	2.87	9	12	10	7	S.
Weldon	44.0	73	3	55.0	18	6	33.0	55	22.0	.....	5.41	15	8	8	10	S.
Wilmington	51.1	74	3	60.0	31	18	42.2	43	17.8	.....	3.27	19	3	9	9	S. W.

STATE METEOROLOGICAL SUMMARY FOR DECEMBER, 1893.

Mean Barometer, 30.23 inches; normal for December, 30.16. Highest Barometer, 30.87 on the 11th, at Lynchburg, Va. Lowest Barometer, 29.56 on the 16th, at Norfolk, Va.

Mean temperature, 44.1 degrees; normal for December, 42.7. Highest temperature, 76 on the 3d, at Tarboro. Lowest temperature, 10 on the 5th, at Bakersville.

Average rain-fall, 3.15 inches; normal for December, 4.00 inches. Greatest monthly rain-fall, 5.88 inches at Washington. Least monthly rain-fall, 0.79 inches at Mocksville.

Average number of clear days, 16; partly cloudy, 6; cloudy, 9; rainy, 7.

Prevailing wind direction, south-west; average velocity, 9.1 miles per hour. Normal direction for December, north-east. Normal velocity, 7.6 miles per hour.

BULLETIN

OF THE

NORTH CAROLINA BOARD OF HEALTH.

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Vital Statistics.

One of the most important functions of a sanitary bureau is the collection of vital statistics. Section six of our law says: "Monthly returns of vital statistics, upon a plan to be made by the State Board of Health, or their Secretary acting under their instructions, shall be made by the County Superintendent to the Secretary of the State Board." The plan devised by the late Secretary, the lamented Dr. Wood, and still in vogue as the best available, is not calculated to secure complete and accurate statistics, but merely a general idea of the prevalence of particular diseases, especially those of a communicable character, in the counties, and the number and causes of death in the cities and towns. Indeed, the conditions with us are such—an extremely conservative and rather sparsely settled rural population in the main—that obtaining reliable statistics from the State at large is simply out of the question at present and we fear will be for very many years to come. And yet it is of peculiar importance to our State, inasmuch as immigration is greatly desired, that we should have accurate and reliable statistics, especially in mortuary statistics. We say accurate and reliable, for when they lack those qualities to any appreciable extent they are worthless. The practical question is, how can they be obtained? The answer is, from the cities and towns. While such statistics would not be as valuable as those collected from the whole State, it is the best that can be done, and they would furnish excellent samples of the health conditions in the different sections of the State and an admirable basis for comparison with similar communities in other States and countries. But even in cities and towns it is no easy matter to secure full and reliable mortuary statistics. It cannot be done, in the opinion of the writer, except under the strict and vigilant enforcement of a stringent ordinance imposing a decided penalty for the burial or removal from the corporate limits of a dead body except upon a burial permit issued by a designated official, based upon a death certificate, giving, chief among other things, the cause of death, signed by

the attending physician, or, in cases where there was no attending physician, by the nearest friend, and sworn to by him before a magistrate. The authorities should impress this ordinance particularly upon the undertakers in such a manner as to effectually prevent their undertaking the preparations for burial until the burial permit is produced. Something less than a year ago we sent to every town in the State having five hundred or more inhabitants, and to all county-seats of less population, a model ordinance with sample blanks, in which the regulations suggested above were set forth, in the hope that it might be generally adopted and mortuary statistics collected in every place on the same plan. While only two towns have formally adopted the ordinance as a whole, a number have it essentially, and the statistics sent in we believe to be generally reliable. But we cannot help feeling when we note a death rate very much smaller in one town than in another of about the same sanitary conditions that the former either has an imperfect ordinance or does not enforce a good one. We are not willing to admit, of course, that any municipality would deliberately "fudge," as we used to say in marbles, on its sisters.

We have brought forward this subject because of its importance and in the hope that those of our readers living in cities and towns will interest themselves in the matter sufficiently to inquire as to the ordinance on the subject and as to the enforcement of the same. The display of such an interest on the part of the medical men of any city or town would surely have its effect upon the authorities and make for the perfecting of the returns.

Summary of Reports from County Superintendents for January, 1894.

EIGHTY-SEVEN COUNTIES REPORTING.

ALAMANCE—Dr. G. W. Long, Graham. One case of scarlatina and one of typhoid fever. Influenza and pneumonia have prevailed. The house of correction is too much crowded.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Influenza and pneumonia have prevailed. Sanitary condition of county good; that of public buildings as usual.

ALLEGHANY—Dr. C. G. Fowlkes, Topia. Two cases of typhoid fever. Diphtheria (seven cases) and influenza have prevailed in southern and western parts. Sanitary condition of county good, except the lack of proper ventilation in many bed-rooms; that of public buildings good, except the jail, in which, however, there are now no prisoners.

ANSON—Dr. E. S. Ashe, Wadesboro. No report. On January 23d Dr. Ashe made a special report of a case of varioloid in the person of a horse-drover, a week from Southwest Virginia, near Bristol. The proper precautions—isolation of the patient, quarantine of those who had been exposed, and the vaccination, particularly, of them, and, generally, of the community — were promptly taken, and, in consequence, the disease did not spread at all.

ASHE—Dr. L. C. Gentry, Jefferson. One case of typhoid fever. Influenza in all parts, with pneumonia in some cases. Only one physician reported. Sanitary condition of county and public buildings good.

BEAUFORT—Dr. D. T. Tayloe, Washington. Very healthy. A few cases of bronchitis from bad weather. Public buildings in good condition.

BERTIE—Dr. H. V. Dunstan, of Windsor, has been elected County Superintendent of Health by the Board of County Commissioners.

BLADEN—Dr. Newton Robinson, Elizabethton. Influenza has prevailed. Many cases have been more protracted than heretofore and there have been more lung complications. Only one physician

reported, Dr. George A. Graham. Sanitary condition of public buildings only fair.

BRUNSWICK—Dr. D. I. Watson, Southport. Influenza and pneumonia have prevailed in some parts. No report from other physicians. Sanitary condition of county and public buildings good.

BUNCOMBE—Dr. D. L. Baird, Asheville. Influenza and pneumonia have prevailed. Four cases of diphtheria reported; some doubts as to correctness of diagnosis in two of these; instructions carried out in all. Sanitary condition of public buildings good. Jail in better condition than for several months.

BURKE—Dr. J. L. Laxton, Morganton. Health of county never better. Sanitary condition of county good. Public buildings very defective from a sanitary point of view, but as well kept as such structures will admit of.

CABARRUS—Dr. R. L. Young, Concord. Two cases of diphtheria; nothing more. Sanitary condition of county and public buildings good.

CALDWELL—Dr. A. A. Kent, Lenoir. Influenza has prevailed in all parts, with a number of cases of pneumonia following.

CAMDEN—No Board of Health.

CARTERET—Dr. George N. Ennett, Beaufort. Influenza has prevailed in all parts. Physicians very negligent in reporting. Sanitary condition of county and public buildings good.

CASWELL—Dr. W. O. Spencer, Yanceyville. Several cases of whooping-cough; catarrhal fever, bronchitis and pneumonia have prevailed; influenza of mild form. No report from other physicians. Heating arrangements at jail very inferior; otherwise sanitary condition of public buildings good.

CATAWBA—Dr. J. M. McCorkle, Newton. No disease reported. Sanitary condition of county and public buildings good.

CHATHAM—Dr. L. A. Hanks, Pittsboro. Influenza and sequelæ, including pneumonia, have prevailed extensively. One case of typhoid fever. Sanitary condition of public buildings very good. Inmates are well cared for and have comfortable quarters in jail and Home.

CHEROKEE—Dr. J. F. Abernathy, Murphy. Influenza, with complications, such as pneumonia, has prevailed with some severity. Sanitary conditions of public buildings fair.

CHOWAN—Dr. R. H. Winborne, Barnitz. Seven cases of measles. Pneumonia and other disorders of respiratory tract have prevailed in all parts to a greater extent than for five or six years. There has been an epidemic of hog cholera, causing serious loss. The buildings of the Home have been recently repaired and are warm and comfortable. The jail is in good condition. A delegation from the grand jury visits these buildings every year, inspects them and looks after the inmates.

CLAY—Dr. George T. Hines, Warne. Four cases of typhoid fever. Influenza and pneumonia have prevailed. Sanitary condition of county good.

CLEVELEND—Dr. O. P. Gardner, Shelby. Influenza in all parts. Sanitary condition of county and public buildings very good.

COLUMBUS—Dr. I. Jackson, Whiteville. One case of typhoid fever. Influenza has prevailed everywhere, with many cases of pneumonia. No report from other physicians. Sanitary condition of public buildings good.

CRAVEN—Dr. Leinster Duffy, Newbern. Influenza has prevailed in mild form. Sanitary condition of county and public buildings good.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. No epidemic. Sanitary condition of county and public buildings good. The new court-house is nearly completed.

CURRITUCK—No Board of Health.

DARE—Dr. W. H. Peterson, Manteo. Mumps on Roanoke Island. Two cases of

typhoid fever and four of pernicious malarial fever. Influenza prevailing to some extent; not severe. Hog cholera. Public buildings in good sanitary condition and well kept.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. No reports. Influenza and pneumonia in all parts. Sanitary condition of county and public buildings good.

DAVIE—Dr. James McGuire, Mocksville. Influenza has prevailed. No report from other physicians. Sanitary condition of public buildings reasonably good.

DUPLIN—Dr. W. P. Kennedy, Warsaw. Whooping-cough, influenza, pneumonia and pleurisy have prevailed. Hog cholera.

DURHAM—Dr. John M. Manning, Durham. Influenza and pneumonia have prevailed in all parts. Sanitary condition of county and public buildings good.

EDGECOMBE—Dr. Donald Williams, Tarboro. Two cases of scarlatina and seven cases of pneumonia reported. Influenza in all parts. Public buildings in fair sanitary condition.

FORSYTH—Dr. D. N. Dalton, Winston. Two cases of diphtheria and a few of typhoid fever. No reports from other physicians. Sanitary condition of county and public buildings good.

FRANKLIN—Dr. E. S. Foster, Louisburg. One case of pernicious and one of hemorrhagic malarial fever. Very little sickness with the exception of an epidemic of very bad colds, after the order of grippe, and a few cases of pneumonia. Sanitary condition of public buildings very good.

GASTON—Dr. J. H. Jenkins, Dallas. No report from other physicians. A few cases of influenza and pneumonia. Public buildings well kept.

GATES—Dr. I. W. Costen, Gatesville. No report.

GRAHAM—Dr. S. H. McNeely, Robinsville. Health of county good. Public buildings in good condition. Physicians will not report.

GRANVILLE—Dr. Patrick Booth, Oxford. Mild form of influenza, with pneumonia in many cases, in nearly all parts. Sanitary condition of county and public buildings good. Another house of two rooms nearly completed at the Home. Doctors still not reporting.

GREENE—Dr. E. H. Sugg, Snow Hill. Influenza of mild form; nothing more. Sanitary condition of public buildings good.

GUILFORD—Dr. Albert R. Wilson, Greensboro. Two cases of typhoid fever; bronchitis and pneumonia in town and county. Sanitary condition of county and Home good. The jail's condition is bad, and not much improvement can be made in the building as it stands. A new one is seriously needed. The present jail is too small; the ventilation is bad and the heating arrangement is inadequate.

HALIFAX—Dr. I. E. Green, Weldon. Very little sickness.

HARNETT—Dr. R. B. Wilson, Bunn's Level. Very little sickness. Sanitary condition of county and jail good. The courthouse has just been destroyed by fire for the second time in two years.

HAYWOOD—Dr. J. Howell Way, Waynesville. The influenza very prevalent in December nearly subsided by the middle of January, and since then there has been little sickness. Three cases of typhoid fever. Arrangements are now being made to erect a new jail.

HENDERSON—Dr. J. L. Egerton, Hendersonville. Influenza has prevailed.

HERTFORD—Dr. John W. Tayloe, Union. Two cases of typhoid fever. Measles, catarrhal and bronchial troubles have prevailed in some sections. Sanitary condition of county good and of public buildings fair. Only one physician reported.

HYDE—No Board of Health.

IREDELL—Dr. W. J. Hill, Statesville. One case of diphtheria; tonsillitis and bronchial affections. Distemper in horses. Hydrophobia reported among dogs. The

jailer uses soap, bichloride and whitewash vigorously, but the prisoners come without a change of clothes and it is impossible to keep them clean.

JACKSON—Dr. W. F. Tomkins, Webster. Chicken-pox; some pneumonia; considerable influenza. No reports from other physicians. Sanitary condition of county and public buildings good. The contract for a new jail is to be let to-day (the 5th).

JOHNSTON—Dr. R. J. Noble, Smithfield. No disease reported. Other physicians not heard from.

JONES—Dr. R. A. Whitaker, Trenton. Influenza has prevailed in all parts; nothing else. Sanitary condition of public buildings good.

LENOIR—Dr. C. W. Woodley, Kinston. Four cases of measles. Influenza, bronchitis and pneumonia have prevailed.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Influenza still in all parts, though not so general. Distemper in horses. Jail and town well kept and healthy.

MACON—Dr. S. H. Lyle, Franklin. Influenza in all parts, though not so general as last month. Public building in good condition.

MADISON—Dr. James K. Hardwicke, Madison. The recent severe epidemic of influenza has made its exit as suddenly as it made its appearance. There are no serious diseases now. The Home is in good condition; the jail is bad.

MARTIN—Dr. W. H. Harrell, Williamston. Thirty cases of whooping-cough and one of hemorrhagic malarial fever. Influenza in all parts, with an unusual amount of bronchitis and pneumonia. Sanitary condition of public buildings good.

MCDOWELL—Dr. B. A. Cheek, Marion. One case of typhoid fever; influenza, hog cholera. Sanitary condition of public buildings good. No report from other physicians.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. One case of scarlatina and two of diphtheria. Influenza in all parts. Sanitary condition of public buildings good. The inmates of the jail, house of correction and Home will be vaccinated immediately.

MITCHELL—Dr. W. P. Upton, Bakersville. Two cases of typhoid fever of mild type. Influenza has prevailed, with four cases of pneumonia. Sanitary condition of Home good; of jail moderately good.

MONTGOMERY—Dr. W. A. Simmons, Troy. No disease to report. Sanitary condition of public buildings satisfactory.

MOORE—Dr. Gilbert McLeod, Carthage. Reported with the aid of eight physicians: Whooping-cough, 10; scarlatina, 4; diphtheria, 3; typhoid fever, 7; pernicious malarial fever, 2; hemorrhagic malarial fever, 1. Influenza of mild form has prevailed in all parts, with pneumonia occasionally. The epidemic of whooping-cough is subsiding. Sanitary condition of public building good, except that the court-house needs better heating apparatus for cold weather. The inmates of jail and Home are made comfortable.

NASH—Dr. J. J. Mann, Nashville. Pneumonia prevails in some parts. Sanitary condition of public buildings very good.

NEW HANOVER—Dr. R. D. Jewett, Wilmington. Eleven physicians reported: Three cases of typhoid fever and three of pernicious malarial fever, influenza, pneumonia, dysentery and facial erysipelas. The public buildings are in good condition. The steam pipes in the house of correction have proven sufficient to heat the rooms. The Commissioners ordered the vaccination of the inmates of the jail, house of correction and Home.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. Influenza in all parts. Sanitary condition of public buildings good.

ONSLOW—Dr. E. L. Cox, Jacksonville. Some cases each of influenza, bronchitis, pneumonia and remittent fever. Public buildings in fair condition.

ORANGE—Dr. D. C. Parris, Hillsboro. Whooping-cough epidemic. Influenza and sequelæ, including pneumonia, generally prevailing. Some intermittent fever and dysentery, and distemper in horses and cholera in chickens. Public buildings, except the jail, in good condition. Only one physician out of town reported.

PAMLICO—No Board of Health.

PASQUOTANK—Dr. W. W. Griggs, of Elizabeth City, has been appointed Superintendent of Health by the Board of County Commissioners.

PENDER—Dr. George F. Lucas, Burgaw. Two cases of typhoid fever. Influenza has prevailed slightly in some parts. Sanitary condition of public buildings good.

PERQUIMANS—Dr. John W. Speight, Hertford. All the physicians reported the sanitary condition of their sections as good, and the following diseases: Whooping-cough, 23; diphtheria, 1; hemorrhagic malarial fever, 5. Prevalent diseases: Influenza, bronchitis and pneumonia. Public building in good sanitary condition.

PERSON—Dr. C. G. Nichols, Roxboro. Influenza, with some pneumonia, has prevailed. No report from other physicians. Sanitary condition of county very good. The jail is somewhat improved, but is not what it should be. The home is very comfortable and well kept.

PITT—Dr. W. H. Bagwell, Greenville. Some whooping-cough and influenza. Seven cases of typhoid fever and a very little malarial fever. The public buildings are in good condition and well taken care of.

POLK—Dr. O. S. Missildine, Tryon. No reports from other physicians, though a written request for them was sent. A very mild form of influenza has prevailed in some parts. Orders have been given by the Commissioners for the cleaning and repairing of the jail.

RANDOLPH—Dr. J. M. Boyette, Ashboro. Four cases of whooping-cough, two of typhoid fever; some influenza, pneumonia, diarrhœa, dysentery and chicken cholera reported. Public buildings in good sanitary condition and well kept. The inmates are made comfortable.

RICHMOND—Dr. J. M. Covington, Rockingham. Catarrhal troubles and influenza, in many cases complicated with pneumonia, have prevailed in all parts. Sanitary condition of county and public buildings good.

ROBESON—Dr. R. F. Lewis, Lumberton. No report from other physicians, though all are furnished with blanks. Influenza in almost all parts and some whooping-cough. Hog cholera. County and public buildings in good sanitary condition. Two more cells needed in jail and will be added.

ROCKINGHAM—Dr. D. W. Courts, Reidsville, reported three cases of measles, six of whooping-cough and one of typhoid fever. Influenza has prevailed. At the suggestion of Judge Whitaker the County Commissioners have ordered that the sewerage system of the jail be remodeled and enlarged.

ROWAN—Dr. John Whitehead, Salisbury. Two cases of whooping-cough and four of diphtheria. Influenza, bronchitis and pneumonia in all parts. A few cases of hog cholera. Physicians from all parts of county and town reported their sections in good sanitary condition. The public buildings are in good order.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. Influenza in all parts, with some deaths. County in very clean condition just now. "I intend having a general cleaning in towns and villages between now and Spring." Public buildings in very good sanitary condition; jail and Home neat and clean.

SAMPSON—Dr. John H. Stevens, Clinton. Influenza epidemic, with a few cases of pneumonia. Two cases of erysipelas. No report from other physicians. Sanitary condition of public buildings good.

STANLY—Dr. J. W. Littleton, Albemarle. Influenza and pneumonia in all parts. Sanitary condition of county good; of public buildings fair.

STOKES—Dr. W. L. McCanless, Danbury. Three cases of diphtheria and two of typhoid fever. Influenza has prevailed. Sanitary condition of public buildings good, except that the jail is not at all comfortable, there being no means of heating the cells except a stove in each passage or hall, and no communication with the cells except through the iron doors.

SURRY—Dr. J. B. Hollingsworth, Mt. Airy. Influenza and pneumonia in all parts. Sanitary condition reported good from all over the county; that of public buildings good.

SWAIN—Dr. R. L. Davis, Bryson City. A few cases of influenza; nothing more. Sanitary condition of Home very good. Steps are being taken to put water and sewer pipes in the jail so that it can be kept cleansed.

TRANSYLVANIA—Dr. A. E. Lyday, Calhoun. No report from other physicians. Influenza epidemic. Two cases of scarlatina. Sanitary condition of county and public buildings good. The floors of the jail and Home are thoroughly cleansed about every two months, and the walls whitewashed as often as necessary.

TYRRELL—Dr. Ab. Alexander, Columbia. No sickness to report. Sanitary condition of public buildings not good.

UNION—Dr. J. C. Ashcraft, Monroe. Influenza and catarrhal pneumonia in all parts. Sanitary condition of county and public buildings good.

VANCE—Dr. W. T. Cheatham, Henderson. Influenza everywhere, with complications. Sanitary condition of county and public buildings good.

WAKE—Dr. James McKee, Raleigh. Influenza in every part. Physicians do not report and sanitary condition of county cannot be given. The streets of the city are not as free of decomposing organic matter as they should be. Public buildings in good condition.

WARREN—Dr. P. J. Macon, Warrenton. Influenza, bronchitis and pneumonia. Sanitary condition of public buildings very good.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. Influenza of mild form in all parts, and a few cases of pneumonia. Sanitary condition of public buildings good in every way.

WAYNE—Dr. W. J. Jones, Jr., Goldsboro. Influenza and catarrhal troubles in all parts. Sanitary condition of county and public buildings good.

WILKES—Dr. J. W. White, Wilkesboro. Two cases of diphtheria. Influenza of mild form in almost all parts. Bronchitis prevalent. Sanitary condition of county and public buildings good.

WILSON—Dr. Albert Anderson, Wilson. One case of scarlatina. Influenza and bronchitis in all parts. Sanitary condition of public buildings is good with exception of the jail, which is too crowded. This will be remedied by the coming session of Court.

YADKIN—Dr. T. R. Harding, Yadkinville. Mumps in nearly all parts, and influenza and pneumonia of mild form in certain sections. No reports from other physicians. Public buildings in as good sanitary condition as could be expected.

YANCEY—Dr. J. L. Ray, Burnsville. Two cases of typhoid fever. A little influenza in some parts. General health moderately good for this time of year. Jail in tolerably fair condition. No prisoners. Home moderately well kept. Some little improvements needed.

Review of Diseases for January, 1894.

BRONCHITIS—From Beaufort, Caswell, Guilford, Hertford, Iredell, Lenoir, Mar-

tin, Onslow, Perquimans, Rowan, Warren, Wilkes and Wilson—13 counties.

CHOLERA, IN CHICKENS—From Orange and Randolph.

CHOLERA, IN HOGS—From Chowan, Dare, Duplin, Robeson and Rowan.

DIPHTHERIA—From Alleghany, Buncombe, Cabarrus, Forsyth, Iredell, Mecklenburg, Moore, Perquimans, Rowan and Wilkes—10 counties.

DISTEMPER, IN HORSES—From Iredell, Lincoln and Orange.

DYSENTERY—From New Hanover, Orange and Randolph.

ERYSIPELAS—From New Hanover and Sampson.

HYDROPHOBIA, IN DOGS AND HOGS—From Iredell.

INFLUENZA—From Alamance, Alexander, Alleghany, Ashe, Bladen, Brunswick, Buncombe, Caldwell, Carteret, Caswell, Chatham, Cherokee, Clay, Cleveland, Columbus, Craven, Dare, Davidson, Davie, Duplin, Durham, Edgecombe, Franklin (?), Gaston, Granville, Greene, Haywood, Henderson, Jackson, Jones, Lenoir, Lincoln, Macon, Madison, McDowell, Mecklenburg, Mitchell, Moore, New Hanover, Northampton, Onslow, Orange, Pender, Perquimans, Person, Pitt, Polk, Randolph, Richmond, Robeson, Rockingham, Rowan, Rutherford, Sampson, Stanly, Stokes, Surry, Swain, Transylvania, Union, Vance, Wake, Warren, Watauga, Wayne, Wilkes, Wilson, Yadkin and Yancey—69 counties.

MALARIAL FEVER—From Pitt.

MALARIAL FEVER, HEMORRHAGIC—From Franklin, Martin, Moore and Perquimans.

MALARIAL FEVER, PERNICIOUS—From Dare and Moore.

MEASLES—From Chowan, Hertford, Lenoir and Rockingham.

MUMPS—From Dare and Yadkin.

PLEURISY—From Duplin.

PNEUMONIA—From Alamance, Alexander, Ashe, Brunswick, Buncombe, Caldwell, Caswell, Chatham, Cherokee, Chowan, Clay, Columbus, Davidson, Duplin, Durham, Edgecombe, Franklin, Gaston, Granville, Guilford, Jackson, Lenoir, Martin, Mitchell, Moore, Nash, New Hanover, Onslow, Orange, Perquimans, Person, Randolph, Richmond, Rowan, Sampson, Stanly, Surry, Warren, Watauga and Yadkin—40 counties.

SCARLATINA—From Alamance, Edgecombe, Mecklenburg, Moore, Transylvania and Wilson—6 counties.

SMALL-POX—From Anson.

TYPHOID FEVER—From Alamance, Ashe, Alleghany, Clay, Columbus, Dare, Forsyth, Guilford, Haywood, Hertford, McDowell, Mitchell, Moore, New Hanover, Pender, Randolph, Rockingham, Stokes and Yancey—19 counties.

WHOOPING-COUGH—From Caswell, Duplin, Martin, Moore, Orange, Perquimans, Pitt, Randolph, Robeson, Rockingham and Rowan—11 counties.

Summary of Mortuary Reports for January, 1894:

(TWENTY-EIGHT TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	85,450	59,704	145,154
Aggregate deaths	80	121	201
Representing annual death-rate per 1,000	11.2	24.3	16.6
Causes of death.			
Typhoid fever	1	1	2
Malarial fever	0	1	1
Diphtheria	2	0	2
Whooping-cough	1	1	2
Pneumonia	16	26	42
Consumption	10	22	32
Brain diseases	3	5	8
Heart diseases	4	7	11
Neurotic diseases	3	4	7
Diarrhœal diseases	2	2	4
All other diseases	37	49	86
Accident	1	3	4
	80	121	201
Deaths under 5 years	19	31	50
Still-born	6	5	11

Condition of Jails and County Homes by Counties for January, 1894.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	25 (*a*)				36			
Alexander	7				10			
Ashe	2	1000	1	1	7	500	3	2
Alleghany	0				4	*		0
Anson								
Beaufort	8				16			
Bertie								
Bladen	1				8			
Brunswick	4	*	1	3	10	750	1	0
Buncombe	53 (*b*)	* (*c*)	11	43	28	590–880	20	19
Burke	4				11			
Cabarrus	25	*	6	12	25	*	10	14
Caldwell	5	*	0	4	7	*	0	2
Camden								
Carteret	0				0			
Caswell	7				22			
Catawba	9		2	4	33		13	8
Chatham	6	1000	2	2	28	*	10	11
Cherokee	13				2			
Chowan	5	*			9	*		
Clay	1	*			0			
Cleveland	14	*		7	26	1000		3
Columbus	9	*		4	13	*		0
Craven	13	750	4	5	18	*	14	3
Cumberland					16			
Currituck								
Dare	0				3	*	0	1
Davidson	13	*	0	4	25	721	0	2
Davie	2	*	0	0	7	*	2	0
Duplin	1	*	0	0	12	1000	5	5
Durham	39 (*d*)				20			
Edgecombe	8	*	2	1	22	*	3	1
Forsyth	23	1000	18	10	32	*	12	4

* Space exceeds 1,000 cubic feet. (*a*) Includes 20 in House of Correction. (*b*) Includes 48 in House of Correction. (*c*) Figures for House of Correction are 175 to 300. (*d*) All in House of Correction.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	11	1000	.....	2	22	500	.....	1
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	.....	.....	.....	.....	.....	.....	.....	.....
Graham	3	.....	3	3	0	.....	.....	.....
Granville	3	*	0	1	35	400	.....	6
Greene	0	.....	.....	.....	10	1000	.....	1
Guilford	23	475	.....	.....	35	*	.....	.....
Halifax	7	1000	5	4	53	700	12	7
Harnett	2	*	.....	1	.....	.....	.....	.....
Haywood	7	.....	.....	4	.....	.....	.....	.....
Henderson	6	.....	.....	.....	1	.....	.....	.....
Hertford	1	*	0	1	8	*	0	1
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	6	*	.....	2	20	.....	.....	4
Jackson	0	.....	.....	.....	2	423	0	0
Johnston	6	*	1	1	17	1000	.....	.....
Jones	2	*	1	1	5	*	3	4
Lenoir	1	*	.....	1	.....	.....	.....	.....
Lincoln	1	*	.....	.....	23	400	.....	5
McDowell	9	.....	0	2	13	.....	0	1
Macon	1	*	0	1	6	1000	4	2
Madison	30	300	10	7	14	500	4	6
Martin	2	*	0	0	16	1000	8	3
Mecklenburg	125 (*a*)	.....	0	.....	58	.....	0	.....
Mitchell	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	7	860	.....	.....	12	600	.....	.....
Moore	11	900	0	3	12	1000	2	3
Nash	2	600	0	2	37	1000	5	6
New Hanover	35 (*b*)	500 (*c*)	(*d*)	4	18	*	(*d*)	.....
Northampton	6	1000	.....	2	24	800	.....	8
Onslow	.....	.....	.....	.....	4	*	.....	1
Orange	13	500	2	9	17	1000	7	9
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

* Space exceeds 1,000 cubic feet. (*a*) Includes 91 in House of Correction. (*b*) Includes 23 in House of Correction. (*c*) Figures for House of Correction are 200. (*d*) See report in "Summary."

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank	.....	.....	.....	.....	.....	.....	.....	.....
Pender	0	.....	.....	.....	5	.....	.....	.....
Perquimans	0	.....	.....	.....	10	.....	0	2
Person	4	800	.....	3	16	*	13	2
Pitt	3	.....	.....	.....	19	.....	.....	.....
Polk	3	.....	.....	.....	5	.....	.....	.....
Randolph	8	.....	.....	.....	36	.....	.....	.....
Richmond	15	.....	0	3	13	.....	3	4
Robeson	20	346	.....	.....	14	*	.....	.....
Rockingham	12	657–965	4	.....	41	560–700	20	.....
Rowan	13	500	5	3	25	600	17	6
Rutherford	5	800	.....	.....	24	800	.....	.....
Sampson	8	.....	.....	.....	25	.....	.....	.....
Stanly	3	300–1000	0	1	12	600	5	3
Stokes	3	500	1	2	12	600	3	5
Surry	5	720	1	2	17	700	2	5
Swain	5	.....	.....	.....	5	.....	.....	.....
Transylvania	1	.....	.....	.....	2	.....	.....	.....
Tyrrell	.....	.....	.....	.....	.....	.....	.....	.....
Union	28	.....	.....	.....	27	.....	.....	.....
Vance	15	624	4	5	19	*	3	2
Wake	87 (*a*)	*	.....	.....	60	*	.....	.....
Warren	4	*	.....	.....	14	*	.....	.....
Washington	.....	.....	.....	.....	.....	.....	.....	.....
Watauga	1	.....	.....	.....	7	.....	.....	.....
Wayne	11 (*b*)	.....	0	4	14	.....	3	2
Wilkes	4	.....	.....	.....	12	.....	.....	.....
Wilson	15	*	4	6	32	*	7	7
Yadkin	7	625	0	4	29	900	0	10
Yancey	0	.....	.....	.....	3	*	.....	.....

* Space exceeds 1,000 cubic feet. (*a*) Includes 80 in House of Correction. (*b*) Includes 8 in House of Correction.

Mortuary Report for January, 1894.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	8,000	12,000	19.5	16.0	...	...	...	1	...	...	1	*2	...	2	1	1	5	...	...	13	16	4	1
Dr. H. L. Baird.	Colored.	4,000		9.0		...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	3		1	...
Charlotte	White.	9,000	14,000	12.0	21.4	...	...	...	1	...	...	3	1	1	...	...	...	3	...	...	9	25	2	3
Fred. Nash, Esq.	Colored.	5,000		38.4		...	...	...	...	...	...	4	2	2	1	...	...	6	1	...	16		4	2
Durham	White.	4,500	8,000	8.0	4.5	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	3	3	...	...
Dr. J. M. Manning.	Colored.	3,500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Fayetteville	White.	2,800	5,000	8.6	14 4	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	6	...	...
Dr. J. H. Marsh.	Colored.	2,200		21.8		...	...	...	...	...	...	1	...	...	...	1	...	2	...	...	4		2	...
Goldsboro	White.	3,000	5,000	20.0	12.0	...	...	...	...	...	...	1	2	...	...	...	...	2	...	...	5	5	...	...
T. H. Bain, Esq.	Colored.	2,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Greensboro	White.	5,500	8,000	17.4	27.0	1	...	...	...	...	...	...	1	1	1	2	...	2	...	...	8	18	...	1
Dr. A. R. Wilson.	Colored.	2,500		48.0		...	...	...	...	...	...	1	4	...	1	2	...	2	...	...	10		4	...
Henderson	White.	2,250	4,250	16.0	22.6	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	3	8	...	...
Dr. W. T. Cheatham.	Colored.	2,000		30.0		...	...	...	...	...	...	1	2	...	...	...	...	2	...	...	5		2	1
Hillsboro	White.	600	1,000	20.0	36.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	3	...	...
Dr. D. C. Parris.	Colored.	400		60 0		...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2		...	1
Lexington	White.	1,800	2,100	6.6	5.7	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	...	...
Dr. R. L. Payne, Jr.	Colored.	300		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Marion	White.	650	800	0.0	15.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. B. A. Cheek.	Colored.	150		80.0		...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1		...	...
Monroe	White.	1,500	2,000	8.0	6.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. J. M. Blair.	Colored.	500		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Oxford	White.	1,700	3,300	0.0	3.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Dr. Patrick Booth.	Colored.	1,600		7.5		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Pittsboro	White.	350	600	34.3	40.0	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	2	...	...
Dr. L. A. Hanks.	Colored.	250		48.0		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Raleigh	White.	8,000	15,000	16.5	22.4	...	...	...	...	...	...	2	1	1	...	...	...	6	1	...	11	28	7	1
Dr. James McKee.	Colored.	7,000		29.1		...	...	...	...	...	...	5	1	1	...	1	...	8	1	...	17		1	...
Rockingham	White.	1,300	1,750	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. J. M. Covington.	Colored.	450		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Rocky Mount	White.	1,200	1,600	10.0	22.5	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	3	...	...
Dr. G. L. Wimberley.	Colored.	400		60.0		...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	2		...	...
Salem	White.	3,942	4,284	9.1	8 5	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	3	3	...	...
Mayor T. B. Douthit.	Colored.	342		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Salisbury	White.	3,500	5,000	0.0	4.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	2	...	...
Dr. John Whitehead.	Colored.	1,500		16.0		...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2		...	...
Scotland Neck	White.	700	1,100	0.0	10.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	1	...	...
Mayor J. A. Perry.	Colored.	400		30.0		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Statesville	White.	2,500	3,500	4.8	3.4	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...
Dr. W. J. Hill	Colored.	1,000		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Southport	White.	750	1,200	16.0	20.0	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	1	...
Mr. E. H. Cranmer, Jr.	Colored.	450		26.6		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Tarboro	White.	1,258	2,370	19.1	20.2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2	4	1	...
Dr. Donald Williams.	Colored.	1,112		21.6		...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	2		...	...
Warrenton	White.	750	1,300	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...	...
Dr. P. J. Macon.	Colored.	550		0.0		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0		...	...
Washington	White.	3,000	5,000	12.0	21.6	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	3	9	1	...
Dr. D. T. Tayloe.	Colored.	2,000		36.0		...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	6		2	...
Weldon	White.	700	1,500	34.3	24.0	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2	3	2	...
Mayor J. T. Gooch.	Colored.	800		15.0		...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1		...	...
Wilmington	White.	9,000	22,000	8.0	17.4	...	...	...	...	...	...	...	1	...	1	...	...	4	...	...	6	32	1	...
Dr. R. D. Jewett.	Colored.	13,000		24.8		...	...	1	...	...	...	6	4	1	...	...	1	13	...	...	26		7	1
Wilson	White.	2,000	3,500	6.0	6.8	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	2	...	...
Dr. Albert Anderson.	Colored.	1,500		8.0		...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1		...	...
Winston	White.	5,200	10,000	4.6	25.2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	21	...	...
Dr. R. F. Gray.	Colored.	4,800		47.5		1	...	...	...	1	...	...	5	1	3	...	...	8	...	...	19		8	...

* One of these was a visitor.

Meteorological Summary for North Carolina, January, 1894.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	42.4	65	19	52.9	17	25	32.0	48	20.9	55.9	2.44	17	9	5	8	N.
Bakersville	39.0	66	20	52 0	13	26	26.1	53	25.9	.....	3.37	14	4	13	5	.....
Blowing Rock	35.6	60	6	44.0	11	26	27.2	49	16.8	.....	3.81	.....	.....	.....	6	.....
Charlotte	44.7	64	6	52.5	24	26	36.9	40	15.6	73.0	3.23	6	9	16	12	S. W.
Chapel Hill	42.6	68	16	52.1	24	25	33.1	44	19.0	.....	4.30	6	9	16	11	S. W.
Horse Cove	41.7	62	19	49.7	21	27	33.7	41	16.0	.....	6.00	9	10	12	8	S. E.
Littleton	41.6	67	24	50.8	23	25	32.5	44	18.3	.....	4.12	5	5	19	9	S. W.
Lenoir	41.3	62	5	48.6	20	13	35.6	42	13.0	.....	2.61	10	8	13	7	S. W.
Louisburg	42.0	65	24	49.8	24	27	34 3	41	15.5	86.6	3.55	9	6	16	11	N. W.
Mt. Airy	41.3	61	5	52.5	15	13	30.1	46	22.4	.....	2.78	.....	.....	.....	.....	.....
Mt. Pleasant	44.4	64	16	53.5	22	27	35.2	42	18.3	.....	3.67	5	7	19	10	.....
Marion	43.2	64	31	55.7	19	13	30.7	45	25.0	.....	2.33	14	2	15	7	.....
Newbern	46.4	74	7	55.3	26	13	37.5	48	17.8	.....	3.93	.....	.....	.....	14	.....
Oak Ridge	41.3	65	16	50.2	22	2	32.5	43	17.7	.....	3.10	9	7	15	12	.....
Pittsboro	41.2	65	23	49.4	19	13	32.9	46	16.5	.....	4.95	5	10	16	11	S. W.
Raleigh	43.6	69	24	51.5	25	28	35.7	44	15.8	78.6	4.66	8	8	15	12	N.
Rockingham	45.1	70	16	54.7	23	13	35.9	47	18.8	.....	3.42	14	6	11	8	.....
Roxboro	42 2	65	16	51.0	18	26	33.3	47	17.7	.....	4.39	10	7	14	8	.....
Soapstone Mount	42.4	66	24	53.7	18	13	31.0	48	22.7	.....	3.90	6	14	11	11	N. E.
Saxon	40.4	66	14	51.1	15	26	29.8	51	21.3	.....	3.34	7	12	12	12	S. W.
Southern Pines	45.7	70	24	53.5	26	28	37.9	44	15.6	82.0	3.33	15	6	10	11	W.
Salisbury	45.0	63	16	51.8	25	26	38.2	38	13.6	.....	3.65	.....	.....	.....	10	.....
Tarboro	45.6	72	24	56.8	23	13	34.4	49	22.4	.....	4.93	13	7	11	10	N. E.
Willeyton	43.7	68	24	53.5	23	14	33.9	45	19.6	.....	4.39	8	8	15	11	N.
Weldon	42 8	67	24	51.4	24	26	34.2	43	17.2	.....	4.65	10	10	11	13	N.
Wilmington	49.6	75	6	57.6	31	26	41.6	44	16.0	84.0	3.70	9	11	11	10	N. E.

STATE METEOROLOGICAL SUMMARY FOR JANUARY, 1894.

Mean Barometer, 30.21 inches; normal for January, 30.17. Highest Barometer, 30.63 on the 18th, at Lynchburg, Va. Lowest Barometer, 29.49 on the 29th, at Kitty Hawk.

Mean temperature, 43 7 degrees; normal for January, 40.8. Highest temperature, 75 on the 6th, at Wilmington. Lowest temperature, 11 on the 26th, at Blowing Rock and Columbus.

Average rain-fall, 3.91 inches; normal for January, 4.52 inches. Greatest monthly rain-fall, 10.34 inches at Lewiston. Least monthly rain-fall, 1.45 inches at Cullowhee.

Average number of clear days, 9; partly cloudy, 9; cloudy, 13; rainy, 11.

Prevailing wind direction, south-west; average velocity, 8.7 miles per hour. Normal direction for January, south-west. Normal velocity, 8.5 miles per hour.

BULLETIN

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SUBSCRIPTION, 25 CENTS A YEAR.

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Important.

By a ruling of the Post-office Department the Bulletin, having practically no paying subscribers (four only), must not only be mailed as third-class matter, but every number must be wrapped and mailed separate with a stamp on it. In consequence, to say nothing of the extra trouble in mailing, the postage on the present issue of 1,250 copies is $12.50 a month, or $150 a year, whereas, if it could be entered as second-class matter, the postage would be only *seventy-five cents* a month, or nine dollars a year—a saving of $141. It is therefore a matter of considerable importance to us with our small appropriation to get it within the second class. To accomplish this we must have a reasonable number of *bona fide* subscribers, and we ask our friends in the State who are interested in the work of the Board of Health to the extent of a quarter of a dollar to send us that amount—the subscription price. Stamps would be entirely acceptable.

As Others See Us.

Since our last issue our State has been in part visited by a number of medical editors from the North, composed of members of the editorial staffs of the *New England Medical Monthly*, the *New York Polyclinic*, the *Sanitarian*, the *Medical Bulletin*, the *Times and Register*, the *Medico-Legal Journal*, the *Medical Annals*, of Albany, N. Y., and the *Bridgeport Standard*. We had the pleasure of meeting these gentlemen and the several ladies accompanying them, and found them uniformly agreeable and appreciative. The originator of the expedition and chairman of the party was the hearty and jovial editor of the *New England Medical Monthly*, Dr. W. C. Wile, so well known for his fine social qualities, and Dr. Ferdinand King, of the *Polyclinic*, a genial, whole-souled gentleman, was secretary, while the Rev. Dr. McNeill, of Bridgeport, so full of *bonhomie* and sparkling humor in private conversation, and so felicitous and eloquent in public speech, was a fit-

ting chaplain to such a company. We were much disappointed at the absence of our venerable friend, Dr. Bell, of the *Sanitarian*, who was detained by sickness in his family, but glad to make the acquaintance of Dr. Angell, of the staff of that sterling journal. Besides Atlanta and Athens in Georgia, and Clinton in South Carolina, the points visited in our State were Henderson, Southern Pines, Charlotte, Wilmington and Raleigh. We hope sincerely that the same party, heavily re-enforced, may soon visit us again and inspect our glorious Piedmont and mountain country in addition to confirming their impressions of the points already seen.

Our space is too limited to permit its publication in full, so we append some extracts from the editorial correspondence in the *New York Polyclinic* of March 15th. While many pleasant and complimentary things are said about the places visited we cannot give them all, and so select those about Southern Pines as being the only special health resort among them:

A MIDWINTER VISIT TO THE SUNNY SOUTH.

[Editorial Correspondence in the New York Polyclinic.]

Last month the writer was one of a party of medical scribes who enjoyed a ten days' trip through North Carolina, South Carolina and a portion of Georgia. The object of the trip was to study the climate, the sanitary advantages and the business opportunities of the country through which we traveled. Our only apology for recording in the medical press our impressions of the business outlook there is the fact that all sick people are not financially able to devote themselves entirely to health-seeking, and the physician is often called on to prescribe not only a place or locality suited to his physical condition, but also to suggest an occupation that will enable his patient to earn a livelihood in the new home that he may elect.

The sections of North Carolina most desirable for those seeking a mild or equable climate are within a day's journey, by rail, of New York City. * * *

From Henderson we traveled southward through the middle of the State to Southern Pines, a most popular health resort, situated in the center of the renowned long-leaf pine belt, famous alike for its elevation, its health-giving balsamic odors and its absolute freedom from malaria. This is undoubtedly one of the most desirable resorts in all the South for persons suffering from lung, throat or malarial troubles. Its average annual mean temperature is 58 degrees; average summer temperature, 77 degrees; average winter temperature, 45 degrees, while its geographical elevation is more than 600 feet above the sea-level. Its nearness to the Gulf-stream accounts in a measure for its mild winter temperature.. The soil is sandy, reaching an average depth of forty feet, hence the heaviest rain-fall is so quickly absorbed that there is absolutely no moisture in the atmosphere. The town is surrounded by great forests of long-leaf pine; the water there is sparkling and pure; the hotels are first-class in the matter of accommodations, and reasonable in their charges; there are ample railroad, telegraph and mail facilities; while the neighboring forests and streams are full of game and fish. Peaches, apples, pears, grapes, melons and other fruits flourish in this section. In addition to the many excellent hotels already open to visitors at Southern Pines another hotel of some 400 rooms is in course of construction and will be ready for the reception of guests before the end of this year. The citizens of the town, the majority of whom are from the Eastern States (and many of whom are convalescents), are hospitable, intelligent and full of enthusiasm, and this fact, coupled with the many natural advantages of the place, guarantees for Southern Pines a bright future. * * *

OUR CONCLUSIONS.

A glance at a map of North Carolina will show our readers that in our itinerary we traversed almost every section of the State, and it only remains for us to sum up our conclusions. The State, considered as a whole, undoubtedly possesses a greater variety of soil and climate than any of her sister States, and within her borders may be found climate and conditions to fulfill all the requirements of the afflicted who desire and require a change of residence. In the matter of topography the surface slopes gradually from mountains nearly 7,000 feet high on the west to the Atlantic Ocean on the east, a distance of 500 miles. Every mile of this great area is drained by unfailing rivers that find their way to the Atlantic, while the warm winds from the Gulf-Stream equalize the temperature of almost the entire State. Her great variety of industries affords profitable employment for all people of all classes who seek homes within her borders. Volumes might be written on her forests and flora alone. More than three-fourths of the crude drugs used in the pharmaceutical laboratories of the United States are obtained here. In certain localities in the western part of the State even the opium-yielding poppy grows without attention or cultivation. It is also the natural habitat of a greater variety of wine-producing grapes than France or Germany, while every variety of edible fruit and sweet-scented or ornamental flower, peculiar to a temperate or semi-tropical climate, flourishes under her balmy skies. That such a climate is a haven of rest and security for those who suffer from or are threatened with throat or lung disease all intelligent physicians will readily admit.

Almost every kind and quality of mineral water known to the balneologist are found in the springs of this State. * * *

Summary of Reports from County Superintendents for February, 1894.

NINETY COUNTIES REPORTING.

ALAMANCE—Dr. G. W. Long, Graham. Influenza and pneumonia, but subsiding now. Public buildings in good sanitary condition except the jail. The work-house is too crowded.

ALEXANDER—Dr. R. B. Killian, Taylorsville. Little sickness except a few cases of influenza and pneumonia. No reports from other physicians.

ALLEGHANY—Dr. C. G. Fowlkes, Topia. Two cases of scarlatina. Influenza, which proved fatal to many old persons, has much abated, leaving a few cases of bronchitis and pneumonia. An epidemic of distemper among horses. The jail is not comfortable in cold weather. The county home is comfortable and the inmates well cared for.

ANSON—Dr. E. S. Ashe, Wadesboro. Catarrhal troubles and influenza in town and county, complicated often with bronchitis and pneumonia. A few cases of varicella. Sanitary condition of public buildings and of county good.

ASHE—Dr. L. C. Gentry, Jefferson. No report.

BEAUFORT—Dr. D. T. Tayloe, Washington. A few cases of whooping-cough and bronchitis. Public buildings in good sanitary condition.

BERTIE—Dr. H. V. Dunstan, Windsor. Some influenza and bronchitis followed in a few cases by pneumonia. Some hemorrhagic malarial fever reported along the Roanoke swamps. Sanitary condition of county fairly good. Physicians, probably from indifference, do not report well.

BLADEN—Dr. Newton Robinson, Elizabethtown. Reports from three physicians. Less sickness than in January. Some influenza and varicella. Sanitary condition

of public buildings only fair. The new court-house will be occupied in March.

BRUNSWICK—Dr. D. I. Watson, Southport. Influenza and bronchial affections in all parts. Sanitary condition of county and of county home good. The building will be repaired and made more comfortable in early summer. The jail is in fair condition; we hope to improve it soon.

BUNCOMBE—Dr. H. L. Baird, Asheville. Very little sickness. Sanitary condition of public buildings good.

BURKE—Dr. J. L. Laxton, Morganton. Two cases of pneumonia and six of influenza reported. Four physicians reported. Sanitary condition of county good. The jail is a miserable old affair, but we hope to have some improvement in the near future. The well in the jailyard is in bad condition on account of bad drainage.

CABARRUS—Dr. Robt. L. Young, Concord. Pneumonia in all parts. Sanitary condition of county and public buildings good.

CALDWELL—Dr. A. A. Kent, Lenoir. Influenza has continued to prevail, with occasional cases of pneumonia.

CAMDEN—No Board of Health.

CARTERET—Dr. Geo. N. Ennett, Beaufort. Broncho-catarrhal troubles in all parts. No reports from other physicians. Sanitary condition of county and public buildings good. The walls of the third story of the court-house need repairing. The jail is now undergoing thorough repairs.

CASWELL—Dr. W. O. Spencer, Yanceyville. Whooping-cough in almost the entire county. Some cases of varicella and some catarrhal fever. Sanitary condition of county home very good; that of the jail is fair. It cannot be put in first-class condition; the heating arrangements are not as good as they should be; the human excrement should be deposited otherwise than at present, and this will be, I hope, attended to soon.

CATAWBA—Dr. J. M. McCorkle, Newton. No special disease to report. Sanitary condition of county good; that of the jail will be improved shortly by a better system of ventilation.

CHATHAM—Dr. L. A. Hanks, Pittsboro. Influenza in all parts, with some pneumonia. Sanitary condition of county and public buildings good.

CHEROKEE—Dr. J. F. Abernathy, Murphy. The influenza has abated, but not before proving fatal to some of our best citizens. Sanitary condition of public buildings good.

CHOWAN—Dr. R. H. Winborne, Barnitz. I never knew less sickness in February. Nothing serious. Some bronchitis and rheumatism. Scabies from lumber camps. Hog cholera in some localities.

CLAY—Dr. Geo. T. Hine, Warne. Twelve cases of whooping-cough and one of typhoid fever. Influenza, pneumonia and rheumatism in various sections.

CLEVELAND—Dr. O. P. Gardner, Shelby. No diseases. But few physicians report. Sanitary condition of public buildings very good.

COLUMBUS—Dr. I. Jackson, Whiteville. Influenza in every section, but passing off. Hog cholera in some parts. Sanitary condition of county fair; that of public buildings very good.

CRAVEN—Dr. Leinster Duffy, Newbern. Very little sickness. Influenza and some few cases of pneumonia and bronchitis reported. Sanitary condition of public buildings good.

CUMBERLAND—Dr. J. H. Marsh, Fayetteville. Sanitary condition of county and public buildings good.

CURRITUCK—No Board of Health.

DARE—Dr. W. H. Peterson, Manteo. Some whooping-cough, two cases of diphtheria, four of pernicious malarial fever, and some influenza, not severe. Hog cholera and some distemper in horses. Sanitary condition of public buildings good. A special tax has been levied to

build a house for the whites. There are four white paupers in the county at present.

DAVIDSON—Dr. R. L. Payne, Jr., Lexington. No reports from physicians. No epidemic. Sanitary condition of county good; of public buildings good, except jail, which is built as a large room containing an iron cage, and it cannot be kept clean.

DAVIE—Dr. James McGuire, Mocksville. One physician reported—Dr. H. W. Wiseman. Influenza and pneumonia have prevailed. Hog cholera. Sanitary condition of jail fair; that of county home improved.

DUPLIN—Dr. W. P. Kennedy, Warsaw. Twenty cases of whooping-cough, two of typhoid fever. Influenza and pneumonia in nearly all parts. With better drinking water and better drainage I think many, if not all, cases of fever could be averted. Sanitary condition of county home good and improvements being made all the time: that of jail bad.

DURHAM.—Dr. Jno. M. Manning, Durham. No epidemic. Sanitary condition of public buildings good.

EDGECOMBE—Dr. Donald Williams, Tarboro. Very little sickness. Public buildings in fair sanitary condition.

FORSYTH—Dr. D. N. Dalton, Winston. Very little sickness. A few cases of influenza and pneumonia. Sanitary condition of public buildings good.

FRANKLIN—Dr. E. S. Foster, Louisburg. Very little sickness except influenza and pneumonia in most sections. Condition of public buildings very good.

GASTON—Dr. J. H. Jenkins, Dallas. No reports from other physicians. A few cases of influenza followed by pneumonia and pleurisy. Public buildings in fair sanitary condition, though the jail needs some attention, which will be given it this week.

GATES—Dr. I. W. Costen, Gatesville. Three cases of whooping-cough and one of typhoid fever. Influenza and pneumonia in some parts. The jail is kept in first-class condition. The county home is fairly kept and I hope will improve from now on.

GRAHAM—Dr. S. H. McNeely, Robbinsville. Influenza in all parts. Sanitary condition of county and public buildings moderately good.

GRANVILLE—Dr. Patrick Booth, Oxford. Four physicians reported. Influenza and some pneumonia in all parts. Some chicken cholera. Sanitary condition of county good in most parts. County home too crowded. The jail has complete system of sewerage.

GREENE—Dr. E. H. Sugg, Snow Hill. Influenza. No other sickness. Sanitary condition of county and public buildings good.

GUILFORD—Dr. Albert R. Wilson, Greensboro. Pneumonia, throat and bronchial diseases in town and county. Epidemic of hydrophobia in dogs. Sanitary condition of county and of public buildings good, except the jail, which is bad.

HALIFAX—Dr. I. E. Green, Weldon. Very little sickness. Whooping-cough in northern part.

HARNETT—Dr. R. B. Wilson, Bunn's Level. Hog cholera prevalent. Sanitary condition of public buildings fair.

HAYWOOD—Dr. J. Howell Way, Waynesville. Very little sickness. Work on a new jail with all modern improvements will begin shortly.

HENDERSON—Dr. J. L. Egerton, Hendersonville. One case of diphtheria. Nothing more.

HERTFORD—Dr. John W. Tayloe, Union. Measles in mild form in some sections. One case of typhoid fever and one of hemorrhagic malarial fever. Sanitary condition of county good; of public buildings fairly good. Only one physician reported.

HYDE—No Board of Health.

IREDELL — Dr. W. J. Hill, Statesville. Bronchial affections with some pneumonia in all sections. Distemper in horses. Cholera in chickens reported, but it is probably *pediculi*. Hydrophobia in dogs still reported. The condition of prisoners referred to last month has been made known to County Commissioners, and everything will probably be renovated and a change of clothing provided.

JACKSON—Dr. W. F. Tompkins, Webster. Health of county very good.

JOHNSTON—Dr. R. J. Noble, Smithfield. No disease reported.

JONES—Dr. R. A. Whitaker, Trenton. Five cases of whooping-cough in upper part of county. No reports from other physicians. Sanitary condition of county and of public buildings good.

LENOIR—Dr. C. B. Woodley, Kinston. Influenza and bronchitis in nearly all parts. Sanitary condition of jail is fair.

LINCOLN—Dr. W. L. Crouse, Lincolnton. Some colds and rheumatism in all parts. County very healthy. Sanitary condition of public buildings good.

MACON—Dr. S. H. Lyle, Franklin. Very little sickness. Jail in good sanitary condition. County Home needs some improvements, which will be made next month.

MADISON—Dr. Jas. K. Hardwicke, Marshall. No serious diseases to report. Condition of county home good, of jail bad.

MARTIN—Dr. W. H. Harrell, Williamston. Whooping-cough, influenza, and some pneumonia in all parts. Health improving. Two cases of hemorrhagic malarial fever. Sanitary condition of public buildings good.

MCDOWELL—Dr. B. A. Cheek, Marion. One case of diphtheria; catarrhal troubles; two cases of hydrophobia in dogs. Sanitary condition of public buildings good. No report from other physicians.

MECKLENBURG—Dr. H. M. Wilder, Charlotte. Two cases of scarlatina, two of diphtheria, and one of typhoid fever. Influenza in all parts. Very few physicians report. Sanitary condition of jail and county home fine; of house of correction fair only, yet no sickness has prevailed in the camp.

MITCHELL—Dr. W. P. Upton, Bakersville. Not much sickness. A few cases of dysentery reported. Public buildings in moderately good condition.

MONTGOMERY—Dr. W. A. Simmons, Troy. Catarrhal affections in all parts, with some pneumonia. "The authorities are going to build a new jail for the honor of the county, but the old one is good enough for me."

MOORE—Dr. Gilbert McLeod, Carthage. Three cases of whooping-cough and three of typhoid fever. Some influenza in all parts. Public buildings in good sanitary condition. The court-room is now amply heated.

NASH—Dr. J. J. Mann, Nashville. Pneumonia in some parts. Sanitary condition of public buildings very good, indeed.

NEW HANOVER—Dr. R. D. Jewett, Wilmington. Catarrhal diseases, varicella, rheumatism and four cases of pneumonia. Very little sickness. Sanitary condition of county as good as could be expected; of public buildings good.

NORTHAMPTON—Dr. H. W. Lewis, Jackson. One case of hemorrhagic malarial fever. Influenza in all sections. Sanitary condition of county better than usual at this season; of public buildings good.

ONSLOW—Dr. E. L. Cox, Jacksonville. Five cases of whooping-cough. Very little sickness. Sanitary condition of public buildings good.

ORANGE—Dr. D. C. Parris, Hillsboro. Whooping-cough an epidemic. Tonsillitis, catarrhal fever, bronchitis and pneumonia. Sanitary condition of public buildings fairly good, except jail.

PAMLICO—No Board of Health.

PASQUOTANK—Dr. W. W. Griggs, Eliza-

beth City. Six cases of whooping-cough and two of typhoid fever. Some mumps, influenza, bronchitis and pneumonia. Less sickness than for years. Reports from all physicians in the county but two. Sanitary condition of county and of jail good; of county home fairly good.

PENDER—Dr. George F. Lucas, Burgaw. Physicians make no reports, though supplied with blanks. Influenza in some parts. Sanitary condition of county fair; of public buildings good.

PERQUIMANS—Dr. John W. Speight, Hertford. Two cases of whooping-cough, three of pernicious malarial fever, two of hemorrhagic malarial fever. Some pneumonia and bowel troubles. Sanitary condition of public buildings good.

PERSON—Dr. C. G. Nichols, Roxboro. No disease to report. Sanitary condition of county and of county home very good; of jail bad.

PITT—Dr. W. H. Bagwell, Greenville. Whooping-cough prevails. Influenza still on hand. Three cases of typhoid fever and one of hemorrhagic malarial fever. Sanitary condition of county and public buildings very good. The latter are well looked after.

POLK—Dr. O. S. Missildine, Tryon. No disease to report. Other physicians will not report. Sanitary condition of county home good; of jail poor; orders given for some repairs; nothing done so far.

RANDOLPH—Dr. J. M. Boyette, Ashboro. Reported: whooping-cough, 3; scarlatina, 2; typhoid fever, 3; influenza, pneumonia, dysentery and rheumatism. Sanitary condition of county and of public buildings good.

RICHMOND—Dr. J. M. Covington, Rockingham. Two cases of whooping-cough, four of scarlatina and several of pneumonia. Influenza still quite prevalent, though mild. Three other physicians reported. Sanitary condition of county fair, of public buildings good.

ROBESON—Dr. R. F. Lewis, Lumberton. Whooping-cough, influenza and pneumonia in nearly all parts. Cholera in swine. Sanitary condition of county good, of public buildings excellent.

ROCKINGHAM—Dr. D. W. Courts, Reidsville. Two cases of measles and one of whooping-cough. Sanitary condition of county and of public buildings good.

ROWAN—Dr. John Whitehead, Salisbury. One case each of scarlatina, diptheria and typhoid fever. Influenza, bronchitis, pneumonia and rheumatism in all parts. Sanitary condition of county fair with exception of second creek bottoms. Much malaria is apt to be produced owing to the overflows and back-water in this region. Sanitary condition of public buildings good.

RUTHERFORD—Dr. W. A. Thompson, Rutherfordton. Influenza in most parts, with few cases of pneumonia. Sanitary condition as good as most counties, but not what it should be. Jail clean and very well kept indeed. County home as clean and well kept as the faulty construction of same will admit of.

SAMPSON—Dr. John H. Stevens, Clinton. Reports from two physicians. One case of typhoid fever. Influenza very prevalent. A few cases of bronchitis and pneumonia. Hog cholera. Sanitary condition of public buildings good.

STANLY—Dr. J. W. Littleton, Albemarle. A few cases of whooping-cough. Pneumonia in some sections. A few cases of distemper in horses. Sanitary condition of county and of public buildings good.

STOKES—Dr. W. L. McCanless, Danbury. Three cases of measles, ten of whooping-cough and ten of diphtheria. Sanitary condition of county and of public buildings good.

SURRY—Dr. J. B. Hollingsworth, Mount Airy. Influenza and pneumonia in all parts. Sanitary condition of county and of public buildings good.

SWAIN—Dr. R. L. Davis, Bryson City. Only a few cases of influenza to report. No reports from other physicians. Sanitary condition of county very good; of county home good; of court-house and jail fairly good only.

TRANSYLVANIA—Dr. A. E. Lyday, Calhoun. Very little sickness. Three cases of scarlatina. There has been an epidemic of parotitis with a great many severe cases. Sanitary condition of county remarkably good; of public buildings as good as could be expected.

TYRRELL—Dr. Ab. Alexander, Columbia. Very little sickness of any kind. An epidemic of hog cholera in Scuppernong and Gum Neck townships. Sanitary condition of county good; of public buildings bad.

UNION—Dr. J. E. Ashcraft, Monroe. Three cases of typhoid fever. Influenza and pneumonia in all parts. Sanitary condition of county and of public buildings good.

VANCE—Dr. W. T. Cheatham, Henderson. Sanitary condition of county good, so far as I have been able to learn.

WAKE—Dr. James McKee, Raleigh. Six cases of measles, one of whooping-cough, and two of scarlatina. Some pneumonia and varicella. Influenza in all parts. Dr. J. M. Templeton, of Cary, reported promptly the two cases of scarlatina. A few cases of cholera in hogs. Physicians do not report. Sanitary condition of public buildings is good. The city is now improving its city prison.

WARREN—Dr. P. J. Macon, Warrenton. Influenza and pneumonia in all parts. Sanitary condition of public buildings very good.

WASHINGTON—No Board of Health.

WATAUGA—Dr. W. B. Councill, Boone. Mild influenza in all parts. Sanitary condition of county good; of public buildings first-class in every way.

WAYNE—Dr. W. J. Jones, Jr., Goldsboro. Influenza and catarrhal troubles in all parts. Sanitary condition of county very good; of public buildings very good.

WILKES—Dr. J. W. White, Wilkesboro. Influenza of mild type in some parts. Sanitary condition of county and of public buildings good.

WILSON—Dr. Albert Anderson, Wilson. Bronchitis and influenza in some parts. Some hog cholera. Sanitary condition of county and public buildings good.

YADKIN—Dr. T. R. Harding, Yadkinville. Little sickness. Mumps in nearly all parts.

YANCEY—Dr. J. L. Ray, Burnsville. Three cases of typhoid fever. Mild influenza in many parts. Sanitary condition of county very good. The county home is moderately well kept, though it needs some improvement. The jail is not clean enough to be healthy and never will be till different arrangements are made.

Review of Diseases for February, 1894.

BRONCHITIS—From Alleghany, Anson, Beaufort, Bertie, Brunswick, Carteret, Chowan, Craven, Guilford, Iredell, Lenoir, Montgomery, New Hanover, Orange, Pasquotank, Rowan, Sampson and Wilson—18 counties.

CHOLERA, IN CHICKENS—From Granville.

CHOLERA, IN HOGS—From Chowan, Dare, Harnett, Robeson, Sampson, Tyrrell, Wake and Wilson.

DIPHTHERIA—From Dare, Henderson, McDowell, Rowan and Stokes.

DISTEMPER, IN HORSES—From Alleghany, Dare and Iredell.

DYSENTERY—From Mitchell and Randolph.

HYDROPHOBIA, IN DOGS—From Guilford and Iredell.

INFLUENZA—From Alamance, Alexander, Alleghany, Anson, Bertie, Brunswick, Burke, Caldwell, Chatham, Clay, Columbus, Craven, Dare, Duplin, Forsyth, Franklin, Gaston, Gates, Graham, Gran-

ville, Greene, Lenoir, McDowell, Martin, Moore, Northampton, Pasquotank, Pender, Pitt, Randolph, Richmond, Robeson, Rowan, Rutherford, Sampson, Surry, Swain, Union, Wake, Warren, Watauga, Wayne, Wilson, Wilkes and Yancey—45 counties.

MALARIAL FEVER, HEMORRHAGIC—From Bertie, Hertford, Martin, Northampton, Perquimans and Pitt.

MALARIAL FEVER, PERNICIOUS—From Dare and Perquimans.

MEASLES—From Hertford, Rockingham, Stokes and Wake.

MUMPS—From Pasquotank, Transylvania and Yadkin.

PLEURISY—From Gaston.

PNEUMONIA—From Alamance, Alexander, Alleghany, Bertie, Burke, Caldwell, Chatham, Clay, Craven, Davie, Duplin, Forsyth, Franklin, Gaston, Gates, Granville, Guilford, Iredell, Martin, Montgomery, Nash, New Hanover, Orange, Pasquotank, Perquimans, Randolph, Richmond, Robeson, Rowan, Rutherford, Sampson, Stanly, Surry, Union, Wake and Warren—36 counties.

RHEUMATISM—From Chowan, New Hanover and Randolph.

SCARLATINA—From Alleghany, McDowell, Randolph, Richmond, Rowan, Transylvania and Wake.

SCABIES—From Chowan.

TONSILLITIS—From Orange.

TYPHOID FEVER—From Clay, Duplin, Gates, Hertford, McDowell, Moore, Pasquotank, Pitt, Randolph, Rowan, Sampson, Union and Yancey—13 counties.

WHOOPING-COUGH—From Beaufort, Caswell, Clay, Dare, Duplin, Gates, Halifax, Jones, Martin, Moore, Onslow, Orange, Pasquotank, Perquimans, Randolph, Richmond, Pitt, Robeson, Rockingham, Stanly, Stokes and Wake—22 counties.

VARICELLA—From Anson, New Hanover and Wake.

Summary of Mortuary Reports for February, 1894.

(TWENTY-EIGHT TOWNS).

	White.	*Col'd.*	*Total.*
Aggregate population	85,750	59,204	144,954
Aggregate deaths	58	85	143
Representing annual death-rate per 1,000	8.1	17.4	11.8
Causes of death.			
Typhoid fever	1	2	3
Malarial fever	0	1	1
Pneumonia	12	5	17
Consumption	10	11	21
Brain diseases	5	4	9
Heart diseases	7	6	13
Neurotic diseases	2	1	3
Diarrhœal diseases	2	4	6
All other diseases	18	49	67
Accident	1	2	3
	58	85	143
Deaths under 5 years	6	26	32
Still-born	6	16	22

Condition of Jails and County Homes by Counties for February, 1894.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Alamance	28 (*a*)				38			
Alexander					9			
Alleghany	2	1000	0	2	4	*	0	0
Anson	5				10			
Ashe								
Beaufort	8				14			
Bertie	5 (*b*)	*	0	2	13	*	0	1
Bladen	1				8			
Brunswick	4	*	1	3	10	750	1	0
Buncombe	58 (*c*)	* (*d*)	17	39	31	440–1764	21	12
Burke	4				10			
Cabarrus	28	792	6	10	24	*	8	10
Caldwell	5	*	0	5	7	*		3
Camden								
Carteret	1	1000	0	1	0			
Caswell	7				23			
Catawba	15		2	8	31		12	8
Chatham	2	1000	1	10	29	*	1	10
Cherokee	12				4			
Chowan								
Clay	2	900	1	2	0			
Cleveland	18	1000		12	25	997		4
Columbus	9	*		4	13	*		1
Craven	15	750	6	7	17	*	14	3
Cumberland	7				19			
Currituck								
Dare	0				4		0	1
Davidson	15	*	0	2	25	720	3	3
Davie	1	*	0	0	6	*	1	0
Duplin	3	*	0	3	9	*	3	3
Durham	55 (*e*)	* (*f*)			26	800		
Edgecombe	5	*	0	1	27	*	3	2
Forsyth	9	1000	10	8	31	*	15	4

* Space exceeds 1,000 cubic feet. (*a*) Includes 18 in House of Correction. (*b*) Includes 4 in House of Correction. (*c*) Includes 45 in House of Correction. (*d*) Space in House of Correction 175 to 350 cubic feet. (*e*) Includes 38 in House of Correction. (*f*) Space in House of Correction 298 cubic feet.

Condition of Jails and County Homes by Counties.—CONTINUED.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Franklin	6	1000	.....	2	20	500	.....	1
Gaston	.....	.....	.....	.....	.....	.....	.....	.....
Gates	2	.....	.....	.....	5	.....	.....	.....
Graham	2	238	0	0	.....	.....	.....	.....
Granville	3	*	0	1	35	400	6	9
Greene	0	500	.....	.....	8	1000	.....	1
Guilford	16	680	.....	.....	34	*	.....	.....
Halifax	9	1000	4	4	51	700	12	8
Harnett	1	.....	.....	.....	.....	.....	.....	.....
Haywood	10	.....	.....	.....	.....	.....	.....	.....
Henderson	4	.....	.....	.....	1	.....	.....	.....
Hertford	0	.....	.....	.....	6	.....	0	2
Hyde	.....	.....	.....	.....	.....	.....	.....	.....
Iredell	13	750	3	5	20	1000	4	4
Jackson	0	.....	.....	.....	2	423	0	0
Johnston	7	1000	.....	.....	17	*	.....	.....
Jones	1	*	1	1	5	*	2	3
Lenoir	1	*	.....	.....	.....	.....	.....	.....
Lincoln	2	*	.....	.....	23	400	.....	5
McDowell	12	.....	0	1	11	.....	0	1
Macon	1	*	1	1	6	1000	2	3
Madison	30	300	4	8	14	500	6	3
Martin	5	1000	0	4	16	800	4	4
Mecklenburg	114 (*a*)	*	64	.....	.....	*	0	.....
Mitchell	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	4	*	.....	.....	12	660	.....	.....
Moore	11	900	0	3	12	1000	2	3
Nash	0	.....	.....	.....	36	1000	5	6
New Hanover	44 (*b*)	500 (*c*)	41	18	23	*	23	4
Northampton	7	1000	3	3	27	800	8	5
Onslow	2	*	.....	.....	5	*	.....	.....
Orange	19	500	4	12	18	1000	7	8
Pamlico	.....	.....	.....	.....	.....	.....	.....	.....

* Space exceeds 1,000 cubic feet. (*a*) Includes 104 in House of Correction. (*b*) Includes 14 in House of Correction. (*c*) In House of Correction 300 cubic feet.

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Condition of Jails and County Homes by Counties.—Continued.

COUNTIES.	JAIL.				HOME.			
	Number Prisoners confined.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.	Number Inmates in.	Space allotted each. (In cubic feet)	Number giving evidence of successful vaccination.	Number who can read and write.
Pasquotank	1	*			25			
Pender	0				5			
Perquimans	1		0	1	10		0	3
Person	3	1000		3	15	1000		2
Pitt	1	600		0	18	1000	1	0
Polk	2	*	0	2	0	950	2	3
Randolph	12				32			
Richmond	12		2	3	14		3	5
Robeson	5	*			15	*		
Rockingham	7	939	2		43	400–700	20	
Rowan	3	500	2	3	22	500–600	16	7
Rutherford	3	800			20	800		
Sampson	4				26			
Stanly	2	300–1000	0	2	10	600	4	3
Stokes	4	400	0	2	15	500	0	3
Surry	11	700	0	5	21	700	0	3
Swain	4				4			
Transylvania	2				2			
Tyrrell	0				0			
Union	14				27			
Vance	6	*		1	19	*		3
Wake	84 (*a*)	*			47	*		
Warren	2	*		1	12	*		3
Washington								
Watauga	3		0	0	7		4	0
Wayne	12(*b*)			2	12		2	
Wilkes	6				15			
Wilson	6	*	2	4	32	*	6	7
Yadkin	9	600	0	5	31	1000	0	9
Yancey	2	*	0	2	3	*		

* Space exceeds 1,000 cubic feet. (*a*) Includes 61 in House of Correction. (*b*) Includes 9 in House of Correction.

Mortuary Report for February, 1894.

Towns and Reporters.	Races.	Population. By Races.	Population. Total.	Temporary Annual Death Rate per 1,000. By Races.	Temporary Annual Death Rate per 1,000. Total.	Typhoid Fever.	Scarlet Fever.	Malarial Fever.	Diphtheria.	Whooping-cough.	Measles.	Pneumonia.	Consumption.	Brain Diseases.	Heart Diseases.	Neurotic Diseases.	Diarrhœal Diseases.	All Other Diseases.	Accident.	Suicide.	Total Deaths. By Races.	Total Deaths. By Towns.	Deaths under 5 years.	Still-born.
Asheville	White.	8,000	12,000	9.0	10.0								*2					3	1		6	10		1
Dr. H. L. Baird.	Colored.	4,000		12.0														4			4			
Charlotte	White.	9,000	14,000	10.7	7.7							1	3				1	3			8	9	2	1
Fred. Nash, Esq.	Colored.	5,000		2.4								1									1		1	3
Durham	White.	4,500	8,000	0.0	3.0																0	2		
Dr. J. M. Manning.	Colored.	3,500		6.8								1						1			2		1	
Fayetteville	White.	2,800	5,000	4.3	9.6										1						1	4		
Dr. J. H. Marsh.	Colored.	2,200		16.4											1			2			3			
Goldsboro	White.	3,500	5,000	3.4	5.8							1									1	2	1	
T. H. Bain, Esq.	Colored.	1,500		8.0														1			1		1	
Greensboro	White.	5,500	8,000	6.5	15.0							1			1			1			3	10		
Dr. A. R. Wilson.	Colored.	2,500		33.6									3			1		3			7		4	2
Henderson	White.	2,050	4,050	5.8	5.9							1									1	2		
Dr. W. T. Cheatham.	Colored.	2,000		6.0														1			1			
Hillsboro	White.	600	1,000	0.0	36.0																0	3		
Dr. D. C. Parris.	Colored.	400		90.0														3			3			
Lexington	White.	1,800	2,100	6.7	5.7													1			1	1		1
Dr. R. L. Payne, Jr.	Colored.	300		0.0																	0			
Marion	White.	650	800	18.5	30.0													1			1	2		
Dr. B. A. Cheek.	Colored.	150		80.0								1									1		1	
Monroe	White.	1,500	2,000	0.0	0.0																0	0		
Dr. J. M. Blair.	Colored.	500		0.0																	0			
Oxford	White.	1,700	3,300	14.1	7.3								1	1							2	2		
Dr. Patrick Booth.	Colored.	1,600		0.0																	0			1
Pittsboro	White.	350	600	34.3	20.0													1			1	1		
Dr. L. A. Hanks.	Colored.	250		0.0																	0			
Raleigh	White.	8,000	15,000	19.5	21.6							3	2	2	2	1	1	2			13	27	3	
Dr. James McKee.	Colored.	7,000		24.0									1		2			11			14		7	6
Rockingham	White.	1,300	1,750	18.5	13.7							2									2	2		
Dr. J. M. Covington.	Colored.	450		0.0																	0			
Rocky Mount	White.	1,200	1,600	0.0	0.0																0	0		
Dr. G. L. Wimberley.	Colored.	400		0.0																	0			
Salem	White.	3,942	4,284	0.0	0.0																0	0		
Mayor T. B. Douthit.	Colored.	342		0.0																	0			
Salisbury	White.	3,500	5,000	3.4	4.8								1								1	2		
Dr. John Whitehead.	Colored.	1,500		8.0														1			1		1	1
Scotland Neck	White.	700	1,100	0.0	10.9																0	1		
Mayor J. A. Perry.	Colored.	400		30.0														1			1		1	
Statesville	White.	2,500	3,500	4.8	6.8									1							1	2		
Dr. W. J. Hill	Colored.	1,000		12.0								1									1			
Southport	White.	750	1,200	16.0	10.0							1									1	1		
Mr. E. H. Cranmer, Jr.	Colored.	450		0.0																	0			
Tarboro	White.	1,258	2,370	19.1	10.1							1			1						2	2		
Dr. Donald Williams.	Colored.	1,112		0.0																	0			
Warrenton	White.	750	1,300	16.0	9.2													1			1	1		
Dr. P. J. Macon.	Colored.	550		0.0																	0			
Washington	White.	3,000	5,000	16.0	19.2								1					3			4	8		
Dr. D. T. Taylor	Colored.	2,000		24.0									2					2			4			
Weldon	White.	700	1,500	17.1	24.0										1						1	3		
Mayor J. T. Gooch.	Colored.	800		30.1									*1					1			2			
Wilmington	White.	9,000	22,000	5.3	19.1							1				1	1	1			4	35		
Dr. R. D. Jewett.	Colored.	13,000		28.6		1		1				1	3	4			2	17	2		31		7	3
Wilson	White.	2,000	3,500	0.0	3.4																0	1		
Dr. Albert Anderson.	Colored.	1,500		8.0														1			1		1	
Winston	White.	5,200	10,000	6.9	12.0	1								1				1			3	10		3
Dr. R. F. Gray.	Colored.	4,800		17.5		1							1		3			2			7		1	

*Non-residents.

Meteorological Summary for North Carolina, February, 1894.

Furnished by the North Carolina Agricultural Experiment Station and State Weather Service.

H. B. Battle, Ph. D., Director. C. F. von Herrmann, Meteorologist.

STATIONS.	TEMPERATURE (Degrees Fahr.).									Mean Rel. Humidity.	Total Precipitation.	No. of Days.				Prevailing Wind.
	Monthly Mean.	Highest.	Date.	Mean Maximum.	Lowest.	Date.	Mean Minimum.	Monthly Range.	Mean Daily Range.			Clear.	Partly Cloudy.	Cloudy.	Rainy.	
Asheville	40.0	68	9	51.1	13	16	29.0	55	22.1	63.9	3.72	13	14	11	13	N. W.
Bakersville	37.9	69	11	51.1	-2	27	24.7	71	26.4	.....	5.75	6	10	12	10	S. W.
Blowing Rock	33.6	60	21	41.6	5	27	25.6	35	16.0	.....	5.18	.....	.....	.....	7	.....
Charlotte	44.8	69	12	53.3	16	25	36.4	53	16.9	68.0	4.54	6	10	12	12	S. W.
Chapel Hill	43.0	72	9	53.2	17	24	32.8	55	20.4	.....	3.65	7	13	8	11	S. W.
Horse Cove	39.8	63	9	49.2	11	5	30.3	52	18.9	.....	7.95	8	10	10	14	S. E.
Littleton	41.4	72	10	51.5	19	25	31.3	53	20.2	.....	4.79	5	5	16	14	S. W.
Lenoir	40.7	63	9	46.9	18	25	34.0	45	12.9	.....	5.66	7	9	12	9	S. W.
Louisburg	42.1	70	9	50.8	19	24	33.4	51	17.4	84.6	4.28	6	4	18	12	N. W.
Mt. Airy	40.0	67	9	50.0	14	6	30.0	53	20.0	.....	4.87	5	12	9	9	S. W.
Mt. Pleasant	45.6	69	9	55.8	17	25	35.5	52	20.3	.....	3.17	5	5	18	11	S. W.
May	48.0	74	19	54.5	20	25	41.6	54	12.9	.....	4.00	4	17	7	9	S.
Newbern	46.6	72	3	55.4	29	6	37.9	43	17.5	.....	4.08	.....	.....	.....	9	.....
Oak Ridge	40.8	67	19	50.1	15	25	31.6	52	18.5	.....	4.67	6	3	19	11	N. W.
Pittsboro	42.2	67	9	50.9	19	6	33.6	48	17.3	.....	3.50	7	7	14	9	S. W.
Raleigh	45.0	71	9	52.9	18	25	37.0	53	15.9	77.9	3.83	5	4	19	12	S.
Rockingham	46.4	73	9	57.0	19	25	35.9	54	21.1	.....	2.60	8	12	8	7	.....
Roxboro	42.4	67	9	51.4	14	25	33.5	53	17.9	.....	4.63	6	7	15	9	.....
Soapstone Mount	44.3	70	9	56.6	16	6	32.0	54	24.6	.....	4.01	3	14	11	10	S. W.
Saxon	39.8	68	9	49.9	14	24	29.8	54	20.1	.....	5.87	6	14	8	9	S. W.
Southern Pines	47.0	74	9	55.2	19	25	38.7	55	16.5	79.6	2.74	10	7	11	8	S.
Salisbury	45.1	64	9	51.8	18	25	38.4	46	13.4	.....	4.35	.....	.....	.....	10	.....
Tarboro	46.8	75	9	57.1	21	6	36.6	54	20.5	.....	4.80	8	7	13	12	S. W.
Willeyton	44.7	73	9	54.6	20	6	34.8	53	19.8	.....	4.48	5	7	16	10	N.
Weldon	43.4	72	9	52.3	20	25	34.6	52	17.7	.....	4.67	4	12	12	14	S.
Wilmington	50.2	76	10	58.3	25	25	42.1	51	16.2	83.0	3.53	6	7	15	10	S. W.

STATE METEOROLOGICAL SUMMARY FOR FEBRUARY, 1894.

Mean Barometer, 30.17 inches; normal for February, 30.13. Highest Barometer, 30.78 on the 24th, at Norfolk, Va. Lowest Barometer, 29.46 on the 12th, at Norfolk and Chattanooga.

Mean temperature, 43.8 degrees; normal for February, 44.3. Highest temperature, 76 on the 10th, at Wilton. Lowest temperature, -2 on the 27th, at Bakersville.

Average rain-fall, 4.82 inches; normal for February, 4.25 inches. Greatest monthly rain-fall, 9.64 inches at Highlands. Least monthly rain-fall, 2.60 inches at Rockingham.

Average number of clear days, 7; partly cloudy, 9; cloudy, 12; rainy, 11.

Prevailing wind direction, south-west; average velocity, 10.2 miles per hour. Normal direction for February, south-west. Normal velocity, 9.3 miles per hour.